



ISSUED EVERY WEDNESDAY

# DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper for Those Who Make, Sell, or Buy  
Chemicals, Dyestuffs, Drugs, Essential and Fatty Oils

VOLUME XI,

NEW YORK, DECEMBER 27, 1922

No. 26

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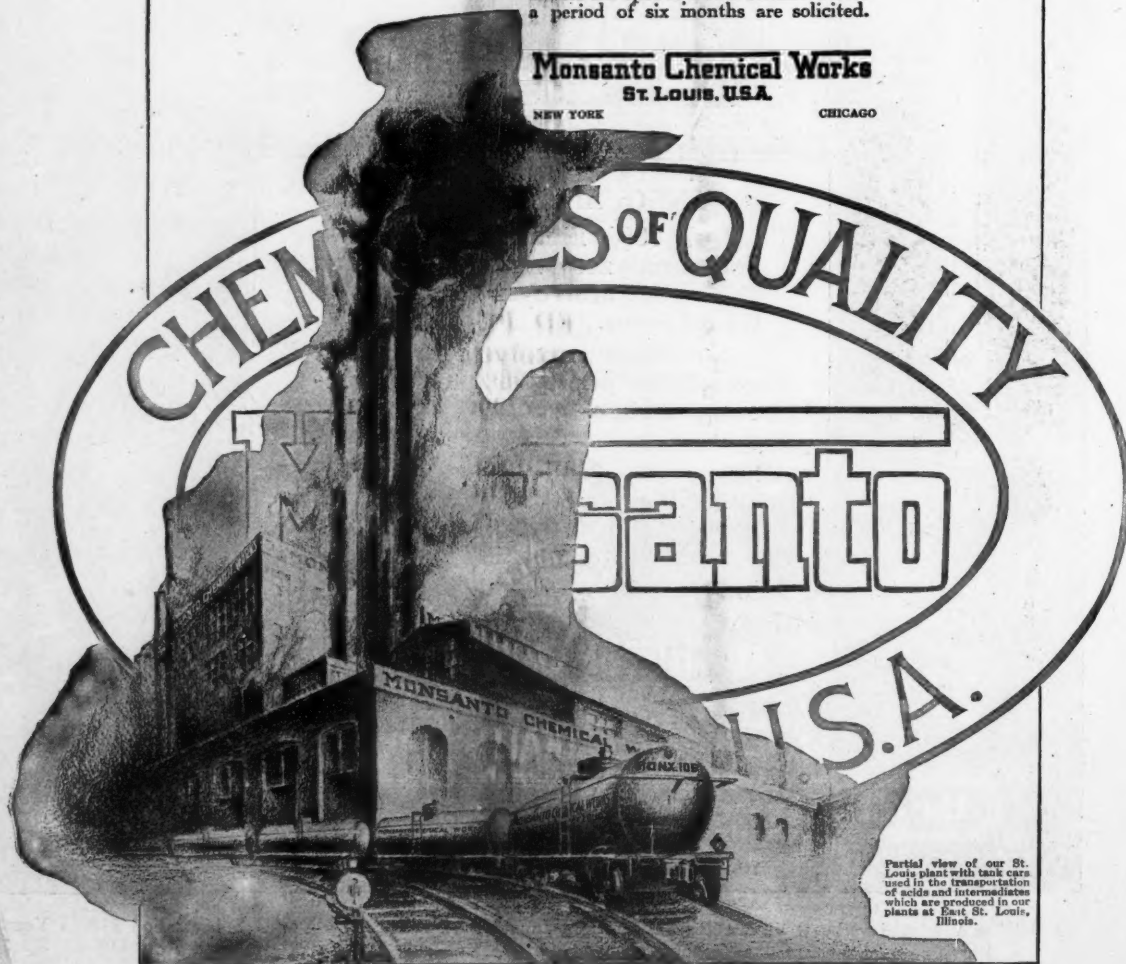
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HYDROCHLORIC  
NITRIC  
MIXED ACID

Commercial and Chemically Pure  
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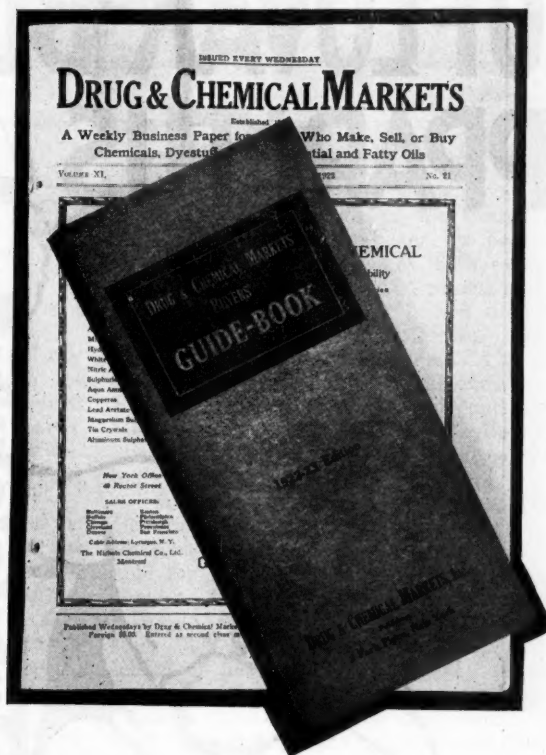
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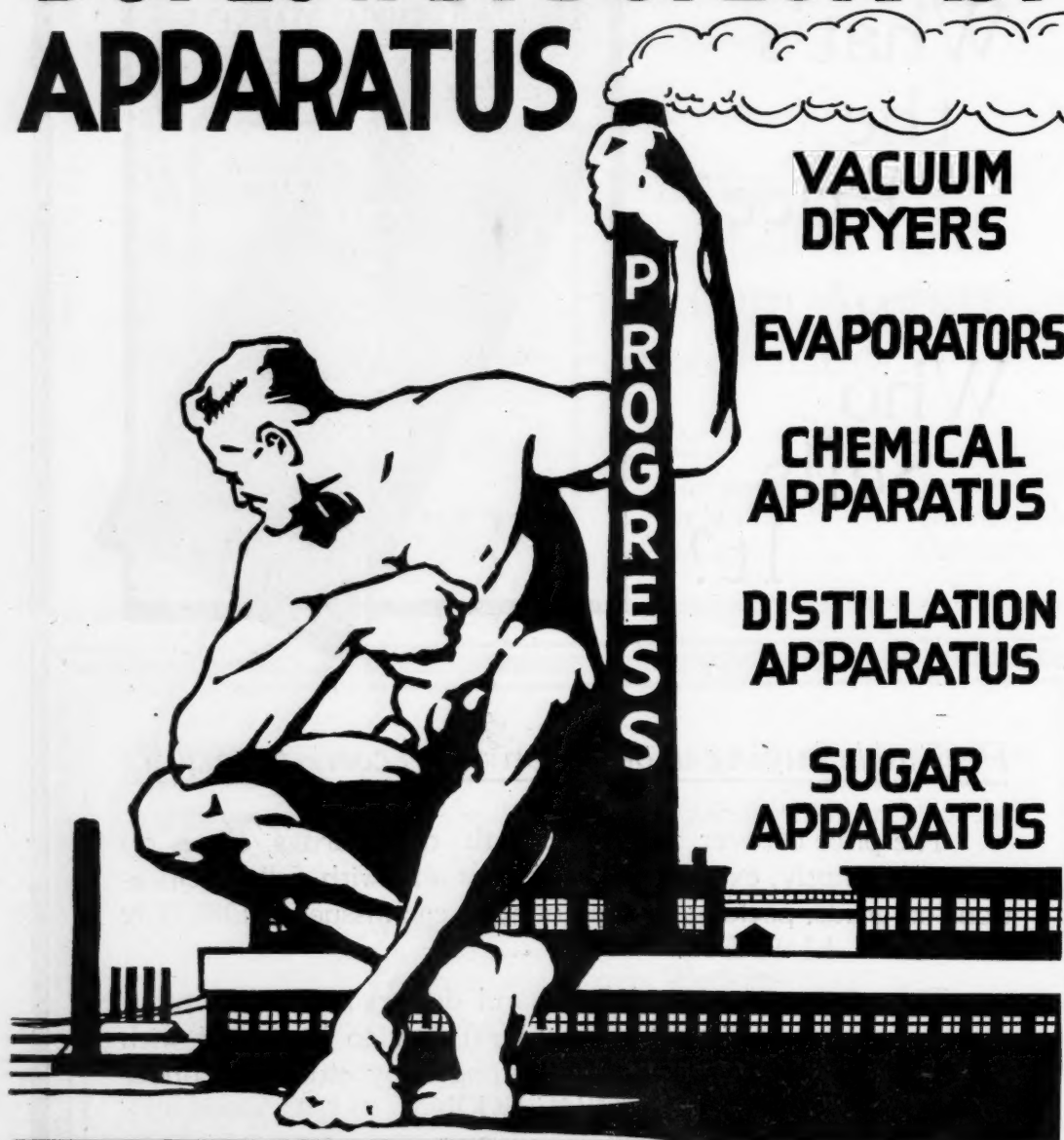
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ISSUED EVERY WEDNESDAY

# DRUG & CHEMICAL MARKETS

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VOLUME XI, NUMBER 26

[DECEMBER 27, 1922]

## PROTECTION AGAINST DECLINE

Something for something has been laid down always as a fundamental of all contracts. *Quid pro quo* is a principle of the law. Without just and proper equivalents many judges have thrown many contracts out of their courts.

Something for nothing is not equivalent.

To both the seller and the buyer there are plenty of advantages in a contract to buy goods for regular future delivery, and in the single item of price it is only a fair advantage if it can be shared. A fixed price protects the buyer against any advance and protects the seller against any decline. That is fair and reasonable.

A contract binds the seller to deliver, and he must provide the raw materials and the labor, the equipment and power necessary to fulfill these obligations. Seldom can the chemical manufacturer protect himself against declines in these factors of his production. Were he able to do so, the great advantage of sales contracts for future delivery would evaporate; since from the point of view of all business the chief value of these contracts is that they tend to eliminate guess work and gambling. If the costs of the raw materials of industry are known definitely over a given period manufacturing programs and prices both may be stabilized to the advantage not only of the makers and dealers; but also of labor and the consumer.

The case is quite the same in the individual instance, and there is no more reason than there is justice in a chemical sales contract with protection against decline. Such a clause smashes to bits the principle of *quid pro quo*. It gives the buyer something for nothing, which is at once bad law and bad business. The clause is a scrubby little mongrel, child of the seller's fear and the buyer's greed: it does not respect its father, nor love its mother.

If the true facts in the case were understood by all chemical salesmen—so that they might be laid fairly before all buyers, and if the chemical manufacturers would flatly refuse to write decline protection clauses, the evil would die in a season. Buyers do not need it. They want assurance of deliveries at a price known, so they can plan production and make their price. A fixed price gives them this, and if they were doubly assured that no competitor of theirs was going to buy chemicals cheaper they would be well content.

Exceptional external conditions gave us protection against decline. We need not, however, have it saddled on us indefinitely. It had its beginning in a weak-kneed selling policy: a stout-hearted selling spirit will kill it.

## AN OIL SHALE WARNING

The oil shale industry when developed in the Rocky Mountain region of the United States by legitimate investors and not by promoters who spend the stockholders money in literature, mainly, will call for an investment in retorts and refineries alone amounting to three billion dollars, says a report by the Bureau of Mines. Employment would be given to 750,000 men. The estimate is based upon the assumption that some day the supply of petroleum may give out and a substitute must be found. The reserves of oil shale are considered the most important resource for mineral oils in such an event.

The shales in the Green River formation, in Colorado, besides yielding 35 gallons to a ton, also produce twenty pounds of ammonium sulfate valuable for fertilizer purposes. In Montana the oil shale is associated with beds of phosphate. In Scotland where the oil shales have been worked since 1850, the investment in the industry is estimated at more than \$12,000,000. In the United States over one hundred companies have been organized. Small plants for experimental work have been erected, but none has operated commercially, says the Bureau of Mines.

The warning against fake promotions is timely, now that business conditions seem to be improving and promoters will seize the opportunity to fish for suckers with a little money and great hopes, who always are looking for a chance to get rich quick. In laboratory tests some shales yielded as much as 90 gallons of oil to the ton, but some beds yielding these large amounts are too thin to be worked commercially. Investigate thoroughly before you invest, particularly the record of the man who asks you to buy stock, and the oil shale beds which the company claims to own.

## CASH AND CREDIT

"One cannot help wondering," said Dean Johnson of New York University at a recent meeting of the Academy of Political Science, "why men have gone through the ages using the same kind of money they used in the beginning. Some progress has been made in the art of coinage, but essentially the money of today is the same kind of money that was used in the earliest days by primitive man. It is simply a commodity."

Literally speaking the Dean is quite correct: the money we use is the same as was used when barter was first replaced by sales. But the way we use money is very different. This is a distinction which Lenin and Trotsky, Edison and Ford, and the whole flock of political and economic experimentalists would do well to bear in mind.

Use of the cereals was, along with gold currency, an early discovery of mankind. Through the ages both have proved consistently their practical value to the human race, and as time has gone on we have multiplied and diversified our uses of each. A handful of maize grains pounded between a couple of stones and mixed with a little warm, sooty water was the humble beginning of the bread and rolls, our cakes, biscuits, waffles, pies, pastries. It is a half truth to say only that "some progress has been made in the art of baking." We have made cereals more palatable, more digestible, more nourishing.

So with gold—we have made it more mobile and yet more staple, and we have vastly increased its uses by improving our systems of credit. But gold is still the staff of business.

Its use today is principally as a firm foundation for credit. Credit is a form of trust based upon faith, and that faith is faith in gold value. Man has but little faith in standards of value made by men. The exchange values prove this today as never before in recorded history. Man has faith, however, in a tangible, definite, material standard of value, and through the ages gold has always proved itself to be the most convenient and the most reliable of such standards.

Undoubtedly we shall go on perfecting our uses of gold; but so long as man has his own well known economic motives, his ideals and his fears, he will have use for gold as a standard of value.

#### DEMAND FOR ROSIN AND TURPENTINE

An increase of 120 per cent in the value of naval stores, gums and resins exported in October over the amount shipped abroad in October, last year, indicates a healthy improvement in the foreign demand. During the ten-months period, January-October the value of these exported products shows an increase of 72 per cent over the same period in 1921. Within these ten months the foreign shipments of rosin alone increased 62 per cent in value over 1921.

Florida and Georgia benefit to the greatest extent from the improvement in the naval stores trade. The capital invested is estimated at \$20,000,000, and the value of the products, including turpentine, is about \$21,000,000 annually. The United States is the largest producer, and while France comes next, our best customers are England and Germany, with Canada and Japan also taking large supplies. More than half the shipments of spirits of turpentine for ten months went to England.

The importance of the industry in the industrial development of this country is apparent when the many uses of rosin and turpentine are considered. The brittle resin, left after turpentine is distilled from pine wood is a vital necessity as a size in paper making, in the manufacture of lead and manganese resins for paint driers, in soap making and in the textile industry. The call for oil of turpentine in paints and varnishes, as a solvent for rubber, and in making synthetic camphor has become more and more insistent with the growth

of the rubber industry, and the increased demand for paints following the "Save the Surface" campaign.

#### MORE GERMAN "FORMULAE"?

A U. S. Government Commission is reported being prepared to go to Germany to buy up German-owned chemical "formulae." Pay for these will be charged against the American cost of supporting troops on the Rhine.

A few questions might be put to the "Commission" before it leaves. How can the German Government sell privately owned "formulae"? Haven't Americans already bought sufficient "white elephants" in the way of German "formulae"? Will there be any chemical men on the "Commission" or will they be ordinary Government "experts"? What will the Government do with the "formulae" when they get them? And so forth ad infinitum!

#### CHEMICAL FOREIGN TRADE EXPANDING

Increasing exports of chemicals and allied products are reported by the Department of Commerce. Caustic soda, borax, and other soda compounds, with the exception of soda ash and sal soda, show large gains for the ten-months period, January-October. Marked improvement is reported in nitric acid, wood alcohol, denatured alcohol, glycerin, bleaching powder and copper sulfate. Sulfuric acid exports have declined. Many countries are now producing sufficient acid for domestic industries. Even China is taking less owing to the fact that practically all that is needed is manufactured locally from sulfur imported from Japan.

When the world recovers its equilibrium the demand for American products will justify greater expansion in the chemical industry than even the most optimistic manufacturer is now planning. United States chemicals are entering markets, today where Germany, England, Switzerland, France and Japan have supplied every chemical need heretofore. The increased efficiency in the Bureau of Foreign and Domestic Commerce and in the Chemical Division of the Department of Commerce is showing extremely satisfactory results. More than 50,000 manufacturers and merchants called at the branch offices of the Foreign Trade Bureau during the year, to discuss export matters, and 500,000 letters dealing with specific foreign trade problems were answered.

#### *Many Men: Many Minds*

What has become of the old-fashioned prohibitionist who used to say that prohibitive laws would save the country morally? asks Don Marquis in the "New York Tribune."

Intelligent foresight, indomitable courage and dogged persistence, if based on sound principles, must inevitably insure great achievement.—The Walworth Log.

Millions of sales are lost annually because salesmen mistake excuses for real reasons for not buying.—Sales Management.

# First Aids in Taking the Inventory

*Systematic Preliminary Preparation Will Do Much to Reduce the Drudgery of the Manufacturers' Annual Bugbear*

By D. OLIPHANT HAYNES, Jr.

**T**AKING the annual inventory is a bugbear which practically every manufacturing organization has to face. In a plant where there is not some method of cost finding which blends in with the financial records of the concern, one must be taken in order to close the books. Even in plants which have a cost system, it has been found advisable to use the annual inventory as a check against the cost records, especially the perpetual inventory, for during the course of a year errors may creep into the best of cost records and they should be eliminated before they have reached undue proportions. Without exaggeration, it can be said that there is no standard practice followed by manufacturers in taking their inventories. There is a procedure, however, which has proved both a time and trouble saver for many manufacturers and the suggestions which follow are given with the object of mitigating a necessary evil.

Naturally enough, the ideal condition under which to take a physical inventory of the materials and supplies in stock and in the processes of production is when the plant is closed down. It is often impossible to stop operations for this purpose and the next best thing to do is to have everything "set" for the occasion, that the work may be done as expeditiously as possible and with the least interference with the production processes. There are three distinct phases to taking an inventory. The first, or preliminary stage is undoubtedly the most important from the standpoint of saving time when the second or inventory proper is reached. The third and last phase covers the extending of the accumulated figures into money value.

"Clean shop" is the slogan of the preliminary stage. This means clearing from the production floors all excess materials and arranging stock so that it can be most easily inventoried. The physical layout of any particular plant will determine how this can be done to the best advantage. Where stock rooms are used and all material not issued on production orders is, or is supposed to be stored in definitely assigned places, the work of cleaning up is comparatively easy; it reduces itself to putting everything where it belongs.

Little difficulty is encountered in counting large containers, such as barrels, drums or carboys, but it is a different matter when it comes to accounting for small package goods, especially when they are not packed in cartons containing a definite number of the small size containers. It will help the inventory clerk to find these packages arranged in rows made up of equal numbers of units. Should the stock clerks in the various storage rooms not do this as a general prac-

tice, they should do so in preparation for inventory taking.

The tag method of inventorying has proved to be by far the most satisfactory and part of the preliminary work is to prepare a tag which will fulfill the requirements of the particular plant. In using a tag for inventory purposes, it is unnecessary to follow the extreme example of some accountants who feel that they must carry accounting detail to the "nth" degree. A tag used for a group of identical items answers the purpose admirably. As a matter of fact it will reduce the actual time of inventorying, eliminating the necessity of putting data on several tags.

The accompanying sketch shows a tag which has been used with satisfactory results by a number of manufacturers. The data contained on this tag is purely suggestive and would probably have to be altered to meet local conditions in any particular plant. The distinctive feature of this tag is the coupon. Both the coupon and the tag carry the same number. The coupon remains with the goods as they are inventoried and the bottom parts of the tags are collected. Should it become necessary to check up or verify any of the data on a tag, the material which it represents can be located without any delay. Another point in favor of the coupon tag is the elimination of the possibility of missing some of the material to be included in the inventory. "I wonder if I counted in that stuff" is not infrequently heard when materials are inventoried by lists. The coupon on any lot serves to indicate that the lot has been included in the count.

Tags make the actual work of inventorying much shorter, for they can be attached sometime before the counting is to start and all the necessary data can be filled in with the exception of the quantities. It will

only be a matter of a few seconds to count or weigh out the items, enter the quantity and tear off the bottom part of the tag. Everyone in the organization who is to take any active part in the inventory should be given explicit instructions as to his duties before the work starts. The most helpful clerks at such a time are those who are thoroughly familiar with the stock. Although a stock keeper can be used to advantage in arranging and tagging the stock under his care, the actual work of taking the inventory should be done by another than the one responsible for the stock. Too many people working on an inventory are far more troublesome than too few. When the preliminary work outlined above has been carefully attended to, it will be found that a few clerks will carry on the work with less confusion and interference with production than a large number.

111		
LOCATION	TAG NO.	
Bldg 8	111	
ITEM	PART OR LOT NO.	
Acetic Acid 28°	W-976	
DESCRIPTION		
Comm'l Bbls		
QUANTITY	UNIT	
105,000	lbs	
UNIT COST	TOTAL COST	
3¢	\$3,150.00	
TAKEN BY	CHECKED BY	EXTENDED BY
J.M.	T.S.	Ø



The quicker the work of counting can be done the better. This is especially true when it has to be done while the plant is in operation. Once the work is started in any department or stock room it should be completed before the clerks pass to another part of the building. It is surprising how hard it is to pick up "dropped threads" even when tags are used for inventorying. It may be necessary to remove or rearrange some of the stock for production purposes, and confusion, with resulting loss of time, will result.

There is a great deal of drudgery connected with counting large quantities of small articles of uniform size and weight. There is a scale which can be used for this purpose which is practically an automatic counter. A definite number of the small objects are placed in a special cup which is in reality one scale pan of a balance. The large pan on the other end of the beam is then filled. Equilibrium is established by moving a counterweight on the beam. A graduated scale is provided on the front of the beam which shows how many times greater the weight of the goods in the large scale pan is than the few in the small cup. This number, multiplied by the number of units in the cup, gives a very close and for all practical purposes accurate count of the items being "counted."

All entries, including the quantity, should be made in ink. Anyone who has seen the general condition of records which come out of a plant will appreciate the importance of this. Time will be saved in the long run by making the entries permanent. More work will be done by two clerks working as a team than can be accomplished by them acting individually. One can do the counting while the other makes the entries on the tags. It may be advisable to have one check back the other as they go along. This will insure more accurate results, and is well worth while, even though it takes a little longer.

#### Value of Work in Process

The unit of weight or quantity in which any lot is expressed should be the same as that used on the stock records. This will make the work of extending the items into money value much easier. It will also make it possible to check the results with the stock records. The most difficult part of inventory taking is to arrive at the value of the work in process. A tag should be issued for each production order. Where some method of cost-finding is used the value of the order can be taken from such a record, but otherwise an estimate will have to be made. The tag should show the stage of development which the order has reached at the time of inventorying. The foremen in the various production departments will have to be consulted in this matter.

For a concern which closes its books at the end of the calendar year, the inventory is taken "as of December 31st." It is not always possible to take the inventory on that day, or even to complete it in one day. The inventory as taken must be corrected to bring it to the desired date. On this account it is usually better to take the inventory just before the time it is to be dated and then keep an accurate record of all changes in the inventory up to the date which it is to bear. All the wrinkles will have been ironed out and it will not be difficult to make the adjustments necessary to bring it up to date. When an inventory is delayed until after the inventory date, unlooked-for complications may arise which will make it difficult to adjust it properly.

The first thing to do after the inventory has been

taken is to account for all the tags. This procedure will eliminate the possibility of omitting a tag, which may have been dropped, or even lost. The results on the tags should then be checked with the stock records and any glaring discrepancies run down. With even the most careful counting and checking errors may have occurred and the check with the stock records will bring them to light. The inventory figures should be extended into money value as soon as practical after they have been gathered. When a record has become "cold" it is hard to work with and much running out to the plant to check up some data or hunt some additional information will be saved by using the figures while they are still fresh.

#### Cost or Market Value?

It is sometimes a serious question what unit figures to use in pricing inventories. Shall a manufacturer use the cost price or shall he use the current market price? Naturally the inventory items when they were purchased were taken into the books at the cost figure. If the market value of the items has increased the use of the market figure would make a "paper profit." So, also, a falling market would bring about a "paper loss." Of course, these profits or losses are only fictitious, for a business cannot sustain a profit or loss in merchandise unless actual sales take place. However, for income tax purposes the Government allows a manufacturer to price his inventory at cost or at market, depending upon which is lower. In other words, it gives him the benefit of a falling market, by letting him write-off his inventory, but does not penalize him in a rising market, by taxing him on a paper profit.

The manufacturer who has a cost system must be sure to make adjusting entries in his books should he price his inventory at any other than cost figures, and the unit values on all stock record cards must be changed so that they will be "in step" with the control records in the general books, for the sum total of the value of all stock record cards should equal the inventory figure in the financial records. This condition will only hold when both are based on the same figures. There are several mechanical devices on the market which effect real savings in time and effort when extending inventories. Adding machines are almost indispensable, and where the inventory is a large one, mechanical multipliers will be found most helpful. There are concerns which make a business of extending inventories. They have experienced operators who do the work rapidly and accurately. It is often economy to employ their services.

When all is said and done, an inventory is largely a "mental hazard." Foresighted planning will do much to make the whole operation run off smoothly and quickly. Since it is admittedly a necessary evil, it deserves careful consideration. To go about it in a systematic manner will produce far more satisfactory results than dodging it until the last minute and then having to do it "catch-as-catch-can."

#### INCREASE IN CHEMICAL EMPLOYMENT

Washington, D. C., Dec. 27.—The Bureau of Labor Statistics of the Department of Labor has just made public its employment figures for November. In the chemical industry the bureau received replies from 42 establishments, showing their employment in October of this year to have been 10,500 persons as compared with 10,872 in November, which is an increase of 3.5 per cent. The payrolls also in these establishments increased from \$243,794 in October to \$248,018 in November, which is an increase of 1.7 per cent.



# Our 1923 Advertising Appropriation

## *The Whys and Wherefores of Budget Planned to Make Sales and Increase Goodwill*

By C. H. HAZARD

**T**O PARAPHRASE a familiar historical quotation: "Now is the time for all directors to come to the aid of their salesmen," and to provide necessary funds to reinforce properly their sales efforts during the coming year.

It is not easy to determine a policy which is affected by so many intangible factors as is the case with advertising. But a beginning must be made and a logical basis for preliminary consideration would be to have the Director of Sales propose a budget which, in his opinion, would take care of his requirements, also have the chairman of the Board of Directors or his equivalent submit one based on his idea. With these two proposals, conceived from entirely different viewpoints, it should be comparatively easy to arrive at a definite plan.

The executive and sales heads must first agree upon one thing. They must determine what their advertising is intended to accomplish. In other words, they must find their objective. Is it to be advertising of a general institutional nature, or is it to be designed specifically to sell?

Advertising is primarily intended to lead to the consummation of sales; but it is also important to the promotion of goodwill. The two are fairly closely allied and are interchangeable except that the results of the first are, or should be, practically immediate, or shall we say prompt, while the effect of the latter accumulates. It is unfair to place the burden of all advertising expense on the Sales Department. A reasonable portion of it should be charged to that very definite asset—goodwill. As a company matures, its prestige increases or should increase in proportion to its growth. Accordingly, the resistance of buyers to its products will be affected relatively. Why, then, should certain products today be made to bear the expense of introducing and distributing others which may be added to the line in the future?

How the appropriation should be expended is purely an individual matter and depends upon the circumstances in each case. There is one important point, however, which should not be overlooked in this connection. That is to see to it that only those items which can be truly set down as advertising are charged to that often-abused term.

### **From the Sales Manager's Angle**

Let us put ourselves in the position of the director of sales and take up first the question from his angle. In most lines in the general chemical field there are some materials which normally move slowly. Also there are frequently by-products which accumulate by reason of an active demand for the major products. The sales manager will usually know what to expect of the markets on these and be able to anticipate conditions. Then, too, we must consider that new product which is expected to be in production about the middle of the year, also make allowances and provisions for unexpected turns in production as they may affect our business. Since the product just referred to will be something new with us, it will be desirable to feature it in our advertising for some time. We must not only acquaint the trade with the fact that we are in position

to supply it, but must make its merits known as well.

Having determined to concentrate our advertising efforts on certain materials, our next move is to determine the approximate potential market for them. We should also know who are our competitors; what their production is, and what are their methods of selling. Will the market be affected by importation of foreign goods? From this information we can estimate what our own sales should be and, knowing the margin of profit in each case, after the manufacturing costs and overhead (exclusive of advertising) have been deducted, it will be easier to decide the amount to be invested in advertising.

All of this concerns the merchandising of specific products. It is conceivable, however, that the sales department will desire to inform the trade of some new feature of policy or some constructive step which will prove advantageous to all concerned. In consideration of such a policy the nature of this idea and the extent to which it will influence sales must be the determining factor in deciding the appropriation.

### **The Chief Executive's Ideas**

Now let us assume the role of the responsible head of the business. Sales are only one of the many phases which interest us in this capacity. Our viewpoint now has greater breadth and more vision. We must think of tomorrow and not concern ourselves with immediate returns only. We have before us the sales figures for the last five years. They show an average increase of 25 per cent. It is not unreasonable to assume that next year will show a corresponding increase, so that 25 per cent added to this year's sales should be our objective and the amount of business possible of accomplishment during the next year. Knowing our manufacturing costs, overhead (exclusive of advertising), market conditions and the like, we can determine the percentage of the anticipated gross sales for the coming year that we will be justified in appropriating for advertising. An important factor in helping us arrive at this will be the enhanced value of good will from year to year. Advertising must be given its share of the credit for this steadily-growing asset, and adequate provision through advertising should be made for maintaining this ever-increasing value.

Having arrived at an idea of what the appropriation should be from the viewpoint of the man responsible for sales, also one from the executive head, it should not be difficult to adjust a possible difference and arrive at a basis on which to operate.

### **A Definite Appropriation**

A mistake which is too commonly made in the general chemical field is the absence of any pre-determined policy concerning advertising. It too frequently happens that advertising appropriations are not considered but that advertising is done spasmodically and without any forethought as to what should be its purpose or how it should be expended. This is a mistake for a number of reasons. It is impossible to get the best results unless space is bought intelligently, and this cannot be done unless it is determined in advance how much space should be used in different fields which it is desired to reach. For instance, if an advertiser has

a product or several products which are consumed in the paper industry he should estimate in advance the possibilities of that market as far as he is concerned. The process of consideration outlined above should then be followed in determining how much money should be spent in advertising in that particular field. Having arrived at the amount to be spent in advertising in the paper industry, the next step is to determine what percentage of this shall be in trade and technical paper advertising and what percentage shall be direct-mail or other media. Having fixed such definite amounts it is then possible to select publications which because of the quantity and quality of their circulation deserve to be used. It is also advisable to decide what space should be employed and the frequency with which your announcement shall appear. It is a common practice with advertisers in this field now to buy space in the trade papers not on the merits of the publication entirely, but because of personal, sentimental reasons or from the publisher who solicits his business first. After this has been done several times and the advertiser stops to consider what he is spending in that field he is likely abruptly to refuse to go into any other publications which might be most worthy, indeed it might be the best-suited to his particular requirements.

So it will be seen that the best results may be obtained from a close study of the situation in advance and careful consideration of all the factors before any decision is reached as to what the investment in publicity shall be. But in any event determine definitely what your advertising appropriation shall be, then put it up to the responsible person to get results commensurate with the investment.

### **Trade Notes and Personals**

Frank Ross, well-known London drug broker, has sailed from New York for England after a short visit to the United States.

R. E. Dorland, manager of the Dow Chemical Co.'s New York office, gave a Christmas dinner to the sales staff last Saturday, Dec. 23, at the Railroad Club.

M. De Mattia Chemicals, Inc., New York, gave a theater party on Saturday, Dec. 23, to the employees of the company, followed by a banquet at the Hotel McAlpin in the evening.

William J. Mitchel, for some years connected with Rockhill & Vietor's Chicago office, will join the staff of Clarence Morgan & Co., Chicago manufacturers' agents and dealers in essential oils and chemicals.

William F. Eissing has resigned as vice-president of the Hans Hinrichs Chemical Corp. and is now associated with Charles Hardy & Ruperti, Inc., 115 Broad St., New York. Mr. Eissing will have charge of the heavy chemical department.

John G. Mason of William S. Gray & Co., New York, will sail for Havana on Dec. 30, accompanied by Mrs. Mason. Later they will spend some time at Miami and Palm Beach before returning to New York. This is Mr. Mason's first vacation in six years.

Edgar Queeny and Frank McCartney of the Monsanto Chemical Works returned to St. Louis last Saturday after a two weeks' visit to the New York office of the company. During their visit to New York, they attended the annual Christmas celebration of the Salesmen's Association.

### **EXEMPTION OF FORMER GERMAN PATENTS IN RETURN OF ENEMY PROPERTY**

**Insertion of Joker Exempting Patents Involved in Chemical Foundation Investigation Found During Hearings on Administration Bill—Reads Law Not To Appeal To Property Bought For Cash From Custodian**

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., December 27.—Insertion of a joker exempting the former German patents involved in the Chemical Foundation investigation, was discovered when hearings began recently on the administration bill to return seized enemy property up to \$10,000 value in each individual case. The disclosure created somewhat of a sensation among members of the House who have fought the Chemical Foundation, particularly in light of President Harding's order to Attorney General Daugherty to institute suit for recovery of the patents. The action demanded by the President now is pending in the Federal courts of Delaware.

The "joker" section provides that the proposed authorization for the restoration of seized property shall not apply to money paid to the alien property custodian in the purchase of enemy property, "not to any patent, trade-mark, print, label, or copyright, conveyed, transferred, assigned, or delivered to the alien property custodian, or to the net proceeds received from the sale of any such patent, trade-mark, print, label or copyright."

Investigation as to the origin of the proposed exemption disclosed that it was not in the original draft of the legislation submitted by Alien Property Custodian Miller nor in supplemental suggestions that he made. Further, it was declared, the provision did not come from the Department of Justice, which acts in the capacity of legal adviser to the custodian's bureau.

### **DR. FRANKLIN NEW A. C. S. PRESIDENT**

Dr. Edward C. Franklin, Professor of Organic Chemistry of Leland Stanford Junior University, has been elected president of the American Chemical Society, succeeding Dr. Edgar F. Smith of the University of Pennsylvania.

Dr. Franklin was born at Geary City, Kansas, in 1862. He was graduated from the University of Kansas in 1888 and received his master's degree in 1890. He was a student at the University of Berlin in 1890-91; he received the degree of Doctor of Philosophy at Johns Hopkins University in 1894.

He was a member of the Advisory Board of the U. S. Bureau of Mines in 1917-18; physical chemist of the U. S. Bureau of Standards and consulting chemist of the Ordnance Bureau of the Army during the war. Dr. Franklin's work on liquid ammonia as an electrolytic solvent is familiar to all chemists. In addition to his University work, he also was in industrial work for a number of years, serving in the sugar industry and also in the gold mining industry.

Mrs. H. B. Rosengarten, widow of the former president of Powers-Weightman-Rosengarten Co., died at her home in Philadelphia last Thursday, Dec. 21, following a short illness. She is survived by two daughters and four sons.

An office will be opened on Jan. 1 in the New York Custom House by the United States Tariff Commission. William Burgess, a member of the commission, will probably be in charge.

## QUOTATIONS ON CHEMICAL STOCKS

	Bid	Asked		Bid	Asked
Air Reduction .....	50	60	Hercules Powder ...	93	98
*Allied Chem. & D. 78	78 1/4		Hercules Powd., pf.101	103	
*Allied Ch. & D., pf.111	112		Heyden Chem. ....	2 1/4	2 3/4
Am. Ag. Ch. ....	32 1/4	33	Hooker Electro. ....	55	65
*Am. Ag. Ch., pf. ....	58	60	Hooker Electro. pf..	60	70
*Am. Chicle. ....	6 1/4	6 1/2	*Int. Agricult. ....	6 1/2	8
*Am. Chicle, pf. ....	20	29	*Int. Agricult., pf..	30	30 1/2
*Am. Cot. Oil. ....	17 1/4	18 1/2	*Int. Nickel. ....	13 1/2	13 3/4
*Am. Cot. Oil, pf. ....	34 1/4	36 1/2	*Int. Nickel, pf. ....	64	69
*Am. Cyan. ....	15	20	*Int. Salt. ....	80	
*Am. Cyan., pf. ....	53	56	*Mathieson Alk. ....	46	48
*Am. Druggist S. ....	6	6 1/4	Merck & Co., pf. ....	71 1/2	72 1/4
Am. Glue. ....	82	85	Merrimac. ....	83	88
Am. Glue, pf. ....	124	126 1/4	Mulford Co. ....	35	40
*Am. Linseed. ....	31 1/4	32	Mutual Co. ....	150	
*Am. Linseed, pf. ....	53 1/2	56	*National Lead. ....	124 1/4	127
*Am. Malt. ....	12	13	*National Lead, pf.112	114	114
*Am. Zinc. ....	16	16 1/2	N. J. Zinc. ....	171	174
*Amer. Zinc, pf. ....	60 1/4	62	Niag. A., pf. ....	86	100
Atlas Powder. ....	150	155	Parke, Davis & Co. 68	69	
Atlas Powd., pf. ....	87	89	Penn. Salt. ....	85	87
British Am. Chem. ....	1		People's Gas. Chi. 93	94	
By. Prod. Co. ....	67	65	Procter & Gamble.124	128	
Carborundum. ....	135	135 1/4	Procter & Gam., pf.102	106	
Carborundum, pf. ....	115 1/4	116	Royal Bak. Co. ....	122	125
Casene Co. ....	30	45	Royal Bak. Co., pf. 98	100	
Celluloid Co. ....	92	98	Sherwin-Williams .. 27 1/2	28	
Celluloid Co., pf. ....	102	104	Sherwin-W., pf. ....	93	97
Ches. Mfg. ....	205	216	Stand. Ch. ....	90	100
Ches. Mfg., pf. ....	112	115	Swan & Finch. ....	24	28
Com'l Solv. A. ....	40	44	*Tenn. C. & Chem. ....	97 1/2	98
Do B. ....	30	30	*Tex. Gulf, Sul. ....	58 1/2	60 1/4
*Corn Products. ....	129 1/4	129 1/2	Union Carbide. ....	62	62 1/2
*Corn Products, pf.119	120		Union Sulphur. ....		
*Davison Chem. ....	31	32	*Un. Drug. ....	70	81
Dow Chem. ....	200		*Un. Drug, 1st pf. 46 1/2	47 1/4	
Dow Ch., pf. ....	103		*Un. Dyewood. ....	42	
Du Pont de Nem. ....	152	153	*Un. Dyewood, pf. ....	94 1/4	
*Du Pt de Nem.Db. 84	85		Un. Gas, Imp. ....	51 1/2	51 1/2
Eastman Kodak. ....	84 1/2	85 1/4	Un. Gas, Imp., pf. 56	56 1/2	
Eastman Kodak, pf.100	109 1/2		U. S. Gypsum. ....	65	66
*Freport, Tex., Sul. 194	194		*U. S. Indus. Al. ....	65 1/4	66 1/4
*Freport, Tex., Sul. pf. 91	93		*U. S. Indus. Al., pf. 97	100	
*Grasselli. ....	128	132	*Va. Car. Ch. ....	24	25
*Grasselli, pf. ....	100	101 1/4	*Va. Car. Ch., pf. ....	61	64
			*V. Vivaudou. ....	14 1/4	14 1/4

\*Listed on New York Stock Exchange

## B-J STOCK SELLS FOR \$1 SHARE

A sale of one hundred shares of Butterworth-Judson Corp. common stock for \$100, \$1 per share, was made at the Vesey st. Auction Rooms, New York, last week. Other chemical and drug stocks sold at auction in New York during the week included 25 shares of American Coal By-Products Co. common at \$100 per share; a \$1,000 American Coal By-Products Co. 8 per cent income note for \$12; 323 shares of the B. P. Clapp Ammonia Co. at \$100 per share; 100 shares National Drug Stores preferred at \$20 per share; 100 shares National Drug Stores common, at \$3.12 1/2 per share; 1,000 shares of Southern Phosphate Corp. at \$6 per share; 100 shares of Reliance Aniline and Chemical Co., no par, and 1,000 shares of \$10 stock, same company, at \$17 for the entire lot; 70 shares of Textile Alliance, preferred, at \$6 for the lot; 50 shares of National Drug Stores, common, at \$2.50 per share; 50 shares of National Drug Stores, preferred, at \$18 per share; 185 shares of the Potash Extraction Corp., \$100 par, at \$5 for the lot; 4,852.63 shares of National Sponge and Chamois Co. at \$50 for the lot.

United Drug Co. profits have shown a sharp increase over the past six months, according to Boston reports. This has made possible the earning of net profits during the eight months ended August 31, which are equivalent to more than the entire year's interest charges, preferred dividends, etc., the total of which is \$2,500,000. Profits from Sept. 1 to Dec. 31 are accumulating for the 345,256 shares of common stock. In October, net earnings before reserves for taxes approximated \$600,000 and it is estimated that the total for November will be \$700,000.

The Ormont Drug & Chemical Co., Inc., has obtained a judgment for \$6,938 against Chas. H. Fingerhood and Chas. D. Goldberg.

## REPORTS ON SOUTHERN DYESTUFF STOCK

In response to the inquiry of a reader for information about stock of the Southern Dyestuffs Co. of W. Va., the N. Y. Tribune gives the following: "Southern Dyestuffs Company was incorporated in 1920 with a capitalization of 40,000 shares of \$25 par preferred stock and 120,000 shares of no-par common stock. The company's plant is at Nitro, W. Va., and was purchased from the government under advantageous conditions. It is asserted that secret processes enable the company to obtain by-products of value. Common shares have been offered at \$15 and \$20, and the Working Capital Corporation is about to undertake marketing of shares at \$30. No statement of earnings has been issued as yet, and pending receipt of such proofs of the earning capacity of the company we regard its shares entirely speculative. Purchasers of stock should be in a position to assume the risks involved. In connection with distribution of these shares, the original subscriber receives a guaranty from a trust company that insures the return to him of the amount of capital subscribed at the end of twenty years if no dividends are paid by the dyestuffs company. All dividends paid by the dyestuffs company automatically reduce the amount guaranteed to be paid to the original investor, and in event that the total amount of dividends equals the amount paid for the stock the obligation of the guarantor is to be considered as having been met. This guaranty is not transferable, we understand, and that condition will not be helpful should the original buyer wish to dispose of his interest in the company."

## RECEIVERS FOR CELLULOSE SILK COMPANY

Philadelphia, Dec. 23—The Cellulose Silk Co. of America, with plants at Chester, Pa. and operating only a few months, has gone into the hands of a receiver, Judge Dickinson of the U. S. District Court at Philadelphia, appointing S. Price Dickinson as temporary receiver. The company agreed to the receivership. It occupies the old Patterson Mills at Chester, Pa. The company is solvent, but unable to raise ready cash. Liabilities amount to \$255,000. It is expected the receivership will be only temporary.

Among additional securities added to the trading list of the N. Y. Stock Exchange at a special meeting of the Board of Governors last week, was \$31,689,150 common stock of E. I. du Pont de Nemours & Co.

Stockholders of the Johns-Mansville Company have approved the proposed increase in the capital to 250,000 shares of no par value from 25,000. The new stock is to be distributed in the proportion of eight new shares for one of old and the balance of 50,000 shares is to be sold to employees at \$50 a share.

## New Incorporations

Vale Chemical Co., Dover, \$100,000. To make chemicals. Capital Trust Co. of Delaware.

National Chemical Products Co., Union, N. J., \$125,000. J. C. Bender, Newark; R. D. Zucker, Mount Vernon; Sadie Math, Union Hill.

Synthetic Organic Products Co., Inc., 127 North st., Jersey City, \$100,000. To make drugs and chemicals.

Fletcher Chemical Co., New York, \$35,000. To make dyes and chemicals. S. Harris, L. Fletcher, P. J. Feiden; attorneys, Myers & Sherwin, 209 Broadway.

Betwck Corp., New York, \$100,000. To make dyes and chemicals, \$50,000. J. B. Bateman, S. D. Cowl; attorney, I. L. Dreeben, 50 Broad st.

West Coast Chemical Corp., San Francisco, \$300,000. To make chemicals. P. E. and H. P. Adams, H. Lingenfelter, C. E. Todd, Hobart Bldg.

Blue Ridge Oxide Co., Allentown, Pa., \$30,000. To make oxides and other chemical products. H. S. Hartzell, Allentown.

E. E. Dickinson Co., Essex, Conn., \$750,000. To make essential oils, extracts, etc. Edward E. and Edward E. Dickson, Jr., Carl F. Anderson, Essex.



## The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 1648

### LITTLE INTEREST IN CHEMICAL MARKET

Buyers' Attention Focused on 1923 as Holiday Dullness Pervades Market—Contract Business Has Been Heavy During December—Soda Sulfide and Copper Sulfate Stronger—Prussiates Easier

#### PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

Advanced  
No Advances  
Declined

Potassium Prussiate, yel., 1c lb. Sodium Prussiate, yel., 1/2c lb.

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	War
Acetic Acid, Glacial....lb.	\$12	\$12	\$12	\$10	\$19 1/2	\$07
Sulfuric Acid, 66 deg..ton	14.00	14.00	14.00	17.00	55.00	20.00
Bleaching Powder, Works .....100 lbs.	2.00	2.00	2.00	2.25	9.50	1.50
Copper Sulfate .....100 lbs.	6.00	6.00	5.75	5.55	20.00	4.80
Potash, Caustic .....lb.	.06 1/2	.06 1/2	.06 1/2	.05 1/2	.87	.08
Saltpetre, gran. ....lb.	.07 1/2	.07 1/2	.07 1/2	.07 3/4	.35 1/2	.04 1/2
Soda Ash, 58 p.c....100 lbs.	1.80	1.80	1.80	1.85	3.50	.60
Caustic Soda, 76 p.c.100 lbs.	3.55	3.55	3.55	3.80	9.50	1.42
Potassium Bichromate ...lb.	.10	.10	.10	.10 1/2	.65	.06 1/2
Average .....	3.068	3.068	3.064	3.395	11.06	3.14

Little interest was shown in heavy chemicals during the week. Business usually slows down to a mere dribble at this season of the year and sellers are now only marking time until after the turning of the new year when business is expected to be resumed in good volume. Many orders have been placed to take effect January 2, but it will probably be a week or two after that date before a marked improvement will be noted. Contract business for next year has been very heavy and this seems to indicate that business in heavy chemicals will be good during the coming year. Stocks are still quite low in a number of items and an increase of production has been slow. The supply of arsenic will not be sufficient to meet the demand for the coming season though producers are doing all they can to increase production. Prices will continue to be high for insecticides but the demand indicates that no stocks will be left over at the close of this season. Copper sulfate is stronger due to the recent advance in copper. Sulfite of soda is much firmer. Glauber's salts have stiffened in price. Yellow prussiates of potash and soda are a little lower.

**Acid, Acetic**—The market has been quiet and buying has been of the hand to mouth variety. 28 per cent is quoted at \$3.17 1/2@3.42 1/2 according to quantity. 56 per cent prices range from \$6.36@6.60. Glacial named at \$12.05@12.80 as to quantity.

**Acid, Hydrofluoric**—Little change in the situation and prices are still quoted at 5c@7c for 30 per cent according to quantity at works. 48 per cent named at 10c@11c and 52 per cent at 11c@12c. 60 per cent 13c@14c.

**Acid, Muratic**—Buying has been confined to moderate quantities during the past few weeks but makers have been booking contracts in good volume for the next year. In tanks at works, 18deg. is quoted at 90c@\$1.00 per 100lbs.; 20 deg. in tanks at \$1.00@\$1.10 as to maker. 22deg. in carlots of carboys moving at \$1.75@2.00. Iron free 20deg. selling at \$1.35 per 100lbs.

**Acid, Oxalic**—Makers are still willing to part with acid at 13 1/2c@14c lb. as to quantity at works. Imported is also quoted at 13 1/2c@14c as to seller.

**Acid, Sulfuric**—Contract business for next year has been very satisfactory though buying at present is along conservative lines. 66deg. in tanks at works is quoted at \$14@16 per ton. 60 deg. moving at \$9@11 per ton at works. Oleum quoted at \$17@18 per ton in tanks as to seller.

**Acetone**—C. P. in carlots of drums quoted at 21c and in less than carlots at 21 1/2c. Moving well and prices are firmly held.

**Alums**—The spot market is inactive but some contracts are being placed for future delivery. Ammonia lump is quoted at \$3.50@3.65. Ground at \$3.60@3.75 and powdered at \$3.90@4.00. Potash lump is quoted at \$4.25@4.50 as to quantity at works. Imported named at \$3.25@3.50 on spot.

**Aluminum Sulfate**—Makers are quoting iron-free at \$2.50@2.65 per 100lbs. at works. Imported is offered at \$2.50. Demand has been steady and domestic makers have been busy meeting orders on shortage of stocks. The situation has improved lately.

**Arsenic**—This continues to be the live wire in the market. Little is heard of spot prices and there appears to be very little offered. Futures are quoted at 15c@15 1/4c for January delivery. Later positions are being sold at 14c@14 1/2c. Calcium arsenate makers are not in a position to offer very much and are limiting their sales in order to supply old accounts. Quoted at a range from 16c@19c as to seller at works.

**Barium Chloride**—Spot business has been lagging and will continue quiet during the next week or two. Domestic is quoted at \$98@100 per ton at works. Imported at \$95@100.

**Bleaching Powder**—Makers are in a better supply and are able to deliver more promptly. Spot is moving at \$2.15@2.40 as to maker, quality and quantity. Contracts are being placed at \$1.90@2.00.

**Calcium Acetate**—Makers continue to quote \$3.50 per 100lbs in carlots at works.

**Copper Sulfate**—Increase in demand has been noted as recent advance in copper will have a strong effect upon the market. Makers are now quoting crystals at \$6.00 per 100lbs. in carlots. Powdered at \$7.25.

**Copperas**—Although there is a good demand, buying has been quiet owing to the scarcity of spot stocks or the high prices asked. Makers are placing contracts for future delivery. Quotations range from \$18@21 per ton as to maker for bulk at works. In bags at \$23.00 and in barrels at \$25.00.

**Glauber's Salts**—Supplies are still in moderate quantities with the consuming demand growing strong. Quotations are firm at \$1.10 per 100lbs. in bags at works and \$1.25 in barrels for technical. U. S. P. at works named at \$1.40 for carlots. Spot at \$1.75. Imported technical at \$1.00@1.10.

**Lead Arsenate**—Demand is strong from insecticide consumers and prices are firm. Carlots are quoted from 21c@24c as to maker. Paste named at 13c lb. in barrels.



**Potassium Prussiate**—Red continues scarce in supply and prices are accordingly strong at 92c@95c as to quantity. Yellow is in better supply and is offered at 38c@39c.

**Soda Caustic**—Spot business is quiet at this time of the year. Makers have been busy making contracts for the coming year on the old basis of \$2.50 per 110lbs. for 60 per cent in carlots at works. Ex-warehouse prices at \$3.72. Resale quotations at \$3.55 @ \$3.60 for standard brands.

**Sodium Prussiate**—Yellow is easy with little buying going on. Quotations are heard as low as 19c@ 19½c according to quantity.

#### MAGNESIUM CHLORIDE RATE REASONABLE

Washington, D. C., Dec. 27.—The Interstate Commerce Commission has handed down its decision in Case No. 13146 of the Salt Lake Chemical Company against director general, as agent, and Chicago & Illinois Western Railroad. In their syllabus in this case the commissioners say:

"Rate on magnesium chloride, in tank-car loads, from Burmester, Utah, to Chicago, Ill., found not unreasonable or unduly prejudicial. Complaint dismissed."

The Callahan Zinc-Lead Co. has closed a contract with the American Smelting & Refining Co. under the terms of which the Smelting Co. will purchase Callahan's entire output of lead concentrates for a period of five years, according to an announcement by James Borg, president of the Callahan Co., last week. A saving of approximately \$120,000 a year to the Callahan Co. will be effected by the terms of the new contract. The report of the first month's operations of the Callahan mines, after a two year shutdown, shows November shipments of 2,063,524 lbs. of zinc concentrates, 785,243 lbs. of lead concentrates, and 6,800 ounces of silver. Official estimates of December production are considerably in excess of that of November.

The Dorchester Lime & Fertilizer Co., Trenton street, Cambridge, Mass., is having plans prepared for a new plant, comprising two one-story buildings, 100x150 feet, and 60x100 feet, to replace works recently destroyed by fire, with loss of about \$65,000. A complete mixing and grinding unit with capacity of about 20 tons per hour will be installed. Lloyd Webster is president.

The export and import department of the China American Tobacco and Trading Co., 25 Broadway, will henceforth operate as a subsidiary company under the name of Gravely & Co., Inc. The latter named concern will import various far eastern products such as camphor, menthol, and various seeds. Francis X. Casera will continue as manager of the New York office.

The West End Chemical Co. with offices and a plant at San Francisco, is building refineries at Chicago, New York and Monongahela. The company owns a deposit of colemanite at Las Vegas, Nev., estimated at 10,000,000 tons, valued at \$60 a ton. A plant is in operation in the Potrero district, San Francisco, from which heavy foreign shipments are made.

The plant of the Evans Lead Co., Charleston, W. Va., has begun operations with an initial force of about 100 employees. The plant, which is to produce red and white lead and litharge, will get under way less than six months after its construction was begun.

#### "OPEN PRICE" BILL IN CONGRESS

Washington, D. C.—Representative Merritt of Connecticut has introduced a bill in the House "to prevent discrimination in prices, to provide for publicity of prices, and to protect good-will." The bill, which has been referred to the Committee on Interstate and Foreign Commerce, provides, among other things, for the marking on each salable unit of the product or container the price at which "such unit shall be re-sold."

#### APPRAISERS BOARD ISSUES NEW RULES

The Board of United States General Appraisers has issued revised "Rules and Procedure" before the Board under the administrative features of the Tariff act of 1922. This is the first revision of the board's rules since 1918, and a number of important changes are made to conform with innovations in the new Tariff act, including provision for the appearance of American manufacturers for the first time in instances where protest is made that the duty assessed is too low. Another important change relates to the filing of petitions for the remission of penalties.

An official copy of the changed rules has been forwarded to Washington where it will be studied by experts and then issued in the form of a Treasury decision concerned. The new rules are effective immediately and will govern the filing of all protests in both re-appraisal and classification cases by importers or their legal representatives under the Tariff act of 1922.

Under previous tariff acts the Secretary of the Treasury alone was empowered to remit penalties exacted by the appraising officers in the form of additional duties for alleged undervaluation. This was changed in the new law and this power conferred on the Board of General Appraisers. This change is viewed as one of the most important made in the administrative features of the new tariff and special care was exercised by the Board in drafting the rules governing the filing of petitions requesting penalty remittances.

William Rees, of the El Dorado Oil Company, was chosen president of the Berkeley Manufacturers' Association at the annual meeting held at Berkeley, Cal. on December 12. S. Hall Bither, of the Pure Carbonic Company, was chosen secretary-treasurer, and Lincoln Lewars, of the California Ink Company, was made a member of the Board of Directors. Jack Reynolds, of the San Francisco Sulphur Company, was one of the speakers. Most of the concerns with manufacturing plants in Berkeley maintain their head offices in San Francisco.

Chemistry for chemical salesmen is a proposed course of instruction that was discussed at a meeting of the Philadelphia Chemical Club, recently. John H. Stutt, of the du Pont-Harrison Works is president of the committee to make arrangements for the course. Officers elected for 1923 are: President, John H. Stutt, Jr.; vice-president, F. S. Havens; secretary, W. H. Davis; treasurer, W. J. Thorne.

The Rice Chemical Society has been organized by seniors and graduates of Rice Institute, Houston, Texas. Joseph L. Gillman of Atlanta, Ga., was elected president; E. R. Dunlap, of Houston, vice-president, and Allan Braxson, of Houston, secretary-treasurer.

A government commission has been named to go to Germany for the purpose of purchasing German-owned chemical formulae to be charged against cost of upkeep of American troops in Germany, according to a rumor from Germany.

## The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, Chemicals, see Chemicals, page 1650

### QUICKSILVER SCARCE AND FIRM ON SPOT

Strength in Exchange Bulling Market Somewhat—  
Japanese Refined Camphor Cheaper at 92c—Imported Hexamethylene Offered at 75c—Salicylates Tending Upward—Resellers Advance Milk Sugar—Cod Liver Oil Higher—Glycerin Easier—Menthol Quiet—Methyl Salicylate Higher

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Cod Liver Oil, 50c bbl.	Advanced	
	Methyl Salicylate, 5c lb.	
Mercury, 50c flask	Declined	
	Glycerin, C.P., 1/2c lb.	
Camphor, Jap., 1c lb.	Declined	
	Hexamethylene, imp., 5c lb.	

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid .....	\$3.35	\$3.35	\$3.35	\$3.33	\$2.00	\$2.20
Acid Citric, Import .....	.48	.48	.50	.43	1.23	.45
Caffeine Alkaloid .....	3.75	3.75	3.75	4.00	18.00	3.65
Calomel, American .....	1.25	1.25	1.15	.82	3.43	.90
Camphor, Jap., ref. ....	.92	.93	.91	.92	3.55	.41
Iodine, Resublimed .....	4.50	4.50	4.40	3.80	5.00	3.75
Menthol .....	10.00	10.00	10.00	5.25	13.50	3.00
Morphine Sulfate .....	5.35	5.35	5.35	4.80	12.80	4.50
Potassium Bromide, Cryst. ....	.26	.25	.26	.19	4.30	.30
Quinine Sulfate, Imp. ....	.50	.50	.50	.59 1/2	.90	.25
Sodium Salicylate .....	.47	.47	.47	.30	4.25	.27
Strychnine Sulfate .....	.94	.84	.94	1.05	2.05	.50
Average .....	2.38	2.38	2.38	1.88	5.92	1.56

Buying of medicinal chemicals has dropped off almost completely in the past week and probably very little will be done until after the first of the year. The lull is only temporary, however, and is to be expected at this season. Sellers anticipate a return to active trading within a week or ten days. Price changes were few and comparatively unimportant. No radical upward or downward movements were in evidence and the situation is generally quiet. From well informed sources it was learned that an advance in salicylates was being considered. Quicksilver moved higher as exchange strengthened. Camphor is cheaper following arrival of additional supplies. Imported hexamethylene is available in large quantities and at lower figures. Cod liver oil is firmer. Resale milk sugar is higher on scarcity. C. P. glycerin is down to 18c. Menthol has quieted and demand has disappeared. Wood chemicals are all strong and are liable to additional advances at any time. Methyl salicylate is higher.

**Acetanilid**—Makers at odds as to price of U. S. P. Inside figure is 35c and range is to 38c and even higher according to seller. Resale lots are available down to 33c but only small quantities can be had.

**Acid Acetylsalicylic**—Is firm at \$1.00 in makers' hands. Small quantities of resale material are offered at 90c@95c. Demand exceptionally good and market is tending upward.

**Acid, Benzoic**—U. S. P. goods offered at 68c@72c, as to quantity. Acid did not increase with sodium benzoate as latter advance was due to the fact that prevailing prices were reported too low to permit reasonable profit.

**Acid, Carboic**—Regular distributors are unchanged on U. S. P. acid with 250lb. drums at 40c and 1lb.

bottles at 51c. Off color acid is offered in 336lb. import packages at 34c@35c but stocks are reported light and import costs are high. Demand well up to supply at present.

**Acid, Citric**—Lots of foreign material can be had at 48c@49c. as to quantity, but material cannot be imported within those figures. American makers' price continues at 50c for crystals and 51c for powder.

**Acid, Salicylic**—Rumors of a pending advance are heard in this market. Although no definite announcement has been made by any maker, a five cent increase is expected. Stocks of phenol are hard to obtain and prices asked are high. Makers quote 40c on U. S. P. salicylic. Small lots of resale goods offered at 34c@37c.

**Alcohol, Wood**—Schedule remains at \$1.20@\$1.22 on 95%, \$1.23@\$1.24 on 97%, \$1.30@\$1.32 on pure methyl, and \$1.35 @\$1.40 on acetone free. The situation is unchanged. Stocks are limited, demand exceeds supply, and makers are low on wood for distillation. Sellers here predict further advances and some factors expect an increase of about 25c before the highest point is reached.

**Caffeine**—Although it is believed in some quarters that caffeine will go to higher levels makers have not indicated an advance as yet. Alkaloid is selling at \$3.75@\$4.25 as to quantity. Citrated at \$3.00@\$3.25. Good demand in evidence.

**Camphor**—Arrival of considerable Jap refined goods has eased market. On slabs 92c@93c can be done, as to quantity. American refiners ask 96c unchanged, for bulk gum. Jap small sizes \$1.02@\$1.04; American \$1.01 1/4@\$1.02.

**Camphor, Monobromated**—In spite of higher prices asked for camphor, monobromated goods are still at \$1.90@\$1.95lb. Routine demand in evidence.

**Cod Liver Oil**—Firmed to \$22.50@\$23.50 per bbl. as shippers are asking higher figures.

**Cream Tartar**—Available at 24 1/2c@25 1/2c. as to sellers. American product bringing 26 1/2c unchanged. Market quiet and demand has fallen off to almost nothing.

**Formaldehyde**—On carlots of material at works makers are quoting 16c. Less cars of bbls. or carboys at 16 1/2c. Consumers active and are taking all material being produced. Prices are firm and are expected to go still higher as wood alcohol advances.

**Glycerin**—Weakness has persisted and price for drums is down to 18c. Cans off to 19 1/2c. Figures could probably be shaded with a firm order as buyers have not been at all active since values mounted. Dynamite continues at 16c. No saponification has been offered for some time, the last sale being put through at 12c@12 1/4c. Soap lye 10 1/2c@11c.

**Hexamethylene**—Large amounts of imported material are in the market. Price has declined to 75c@85c. American goods held at 95c inside.

**Menthol**—Quiet market. Demand has subsided and an excess of material over accumulated orders is in New York warehouses. General quotation on cases \$10.00 but a few odd lots might be had at less. Smaller

quantities \$10.25@10.50. Shipment price has eased off to \$8.20 c.i.f. for Jan.-Mar. positions.

**Mercury**—Stiffened here as English exchange advanced. Inside at \$72.50 per flask and most sellers are asking from \$73.00 up. Amount of material on spot not large but demand is limited.

**Methyl Salicylate**—Advanced to 55c in drums and 57c in cans owing to higher cost of wood alcohol. Resale in small quantities offered about five cents under makers' figures.

**Sugar Milk**—Is up to 22c@23c in resellers hands. Makers firm at 21c@22c. Goods scarce and consumers active.

#### CALCULATION OF DUTY UNDER PAR. 28

Ideas as to the method of calculating duties under Paragraph 28 of the Fordney-McCumber Tariff Act, have brought out several versions of the correct method. The following analysis, submitted by an importer, gives one view on the subject: Paragraph 28 provides plainly for two different groups of coal-tar products, namely, I. Those which are similar competitive articles manufactured and produced in the U. S. II. Those which are not similar competitive articles manufactured and produced in the U. S.

Group I. All articles which are of the same quality as those made in the U. S. and used for the same purpose fall under this group, for instance: Benzoic acid, B. P. or D. A. B. V.; Saccharin, B. P. or D. A. B. V. In case the benzoic acid B. P. contains a certain quality which makes it a little bit different than the domestic quality of the U.S.P. article and if this little difference enables the benzoic acid, B. P., to be used for an entirely different consumption than the U.S.P. can be used for, then this benzoic acid, B. P., does not fall under this group, but you have to prove this to the appraiser.

Group I pays duty of 60 per cent ad valorem on the American selling price figured according to Title IV, Section 402, subdivision "f," plus 7c per lb. The 60 per cent is plainly, according to this section, 60 per cent of the American selling price fixed by the American manufacturer and without any deductions whatsoever. Take the price of benzoic acid to be 70c, then the duty will be 42c plus 7c, total 51c per lb.

Group II. This group includes all those products not manufactured here, such as Antipyrine. But also as said above, into this group will fall all those articles which can be proved of a different quality than those made here and used for a different purpose than those similar products made here, which cannot be used for the same purpose. Of course under this group will fall also all those special preparations which are newly invented abroad and so far not made here.

The duty on this article, for instance, would be calculated in the following manner: Antipyrine is selling for \$2.10 a pound. Divide 2.10 by 108 leaves 16c for profit. Deduct 16c and divide 1.94 by 108 leaves 14c for general expenses. Deduct 14c and assume 3c for other expenses. You have an amount of \$1.77, from which you deduct the duty of 7c per lb., leaves \$1.70. Divide \$1.70 by 160 leaves \$1.06 as dutiable value. 60% of \$1.06 is 63.6c, plus 7c per lb. makes it a total of 70.6c duty. We do not see how any different calculation can be assumed under the Paragraph 28.

Pure methyl alcohol is bringing \$1.30 per gallon in this market and is rather hard to obtain. Retail druggists are selling the same thing in gallon lots at \$1.25. It might be profitable to gather up considerable of the \$1.25 material in view of the rising state of the market.

#### GASOLINE AUTHORIZED IN FORMULA 28-A

##### Gallon of High-Test Navy Specification Gasoline Must Be Added to Each Hundred Gallons of Pure Alcohol

Washington, D. C., Dec. 27.—Commissioner of Internal Revenue Blair is sending the following notice to collectors regarding specially denatured alcohol Formula No. 28-A: "The following formula, to be known as specially denatured alcohol Formula No. 28-A, is hereby authorized for use in the manufacture of motor fuels: To every 100 gallons of ethyl alcohol of not less than 198 degrees proof, add 1 gallon of gasoline of the quality specified below.

Specifications for gasoline are as follows: Volatility and distillation range.—When 5 per cent of the sample has been recovered in the graduated receiver, the thermometer shall not read more than 65 degrees C. (149 degrees F.) nor less than 50 degrees C. (122 degrees F.). When 50 per cent has been recovered in the receiver, the thermometer shall not read more than 95 degrees C. (203 degrees F.).

"The distillation test above outlined shall be made in the apparatus and in the manner described in Navy Department Specifications 7G1, dated October 2, 1922, particularly referring to Grade A, fighting aviation gasoline."

#### HOFFMAN-LA ROCHE HOLD XMAS PARTY

A Christmas surprise party, given by the Hoffman-La Roche Chemical Works' New York office to its sales and office force, was held Saturday afternoon in the company building at 19 Cliff st. About forty employees of the company were present and enjoyed a sumptuous spread, followed by dancing. The annual bonus to employees was distributed by Elmer Babst, general manager of the American company. The party was directed chiefly by Bert Goddin and M. F. Peterson.

#### RESEARCH ON LIQUID CARBON DIOXIDE

The Liquid Carbonic Division of the Compressed Gas Manufacturers' Association announces the establishment of an Industrial Fellowship in the Mellon Institute of Industrial Research of the University of Pittsburgh, for the purpose of classifying, studying and developing the uses for liquid carbon dioxide. The founding of this Fellowship is in accord with the desire of the members of the Association to co-operate with users and prospective users of liquid carbon dioxide, with the object of developing efficient means of applying the gas and of obtaining fundamental data bearing on its use in various industries.

In addition to conducting research work, the Fellowship will be made a clearing-house of information regarding various uses of liquid carbon dioxide. The present incumbent of the Industrial Fellowship is Charles L. Jones, who will be glad to correspond with anyone interested in the use of liquid carbon dioxide in industry.

The Keene Chemical Co., Inc., recently organized, is located at 136 Water St., New York City. Lester Keene is treasurer and manager of the new concern, which will deal in various chemicals, oils, essential oils and crude drugs. Norman F. Holmwood, well known in the chemical trade in Philadelphia, is associated with Mr. Keene. The concern has no connection whatever with the Keene Co., formerly at 335 Broadway.

Herbert H. Dow sailed from San Francisco for Hawaii the first of December on an extended pleasure trip. Mr. Dow was accompanied by his wife and three of his children. After visiting Hawaii the party will tour China and Japan, returning to the United States about the first of March.



## The Intermediate and Dye Market

Current Spot Quotations of Intermediates, see Chemicals, page 1648

### INTERMEDIATE BUYERS LOOK TO 1923

**Practically Nothing Being Done in Spot Business—Early 1923 Contracts Reported Satisfactory By Producers—Makers Unwilling to Contract on Scarce Items—Aniline, Dimethylaniline and Benzoates Strong.**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced  
No Advances  
Declined  
No Declines

	Trend of the Market				
	Today	Last Week	Last Month	Last Year	War Peak
Benzene, C.P. ....gal.	\$.30	\$.30	\$.30	\$.27	\$1.10
Naphthalene, flake ....lb.	.05	.06	.06	.06½	.16
Phenol ....lb.	.35	.35	.35	.11	1.50
Xylene, 2-deg. ....gal.	.45	.45	.45	.45	..
Toluene, pure ....gal.	.30	.30	.30	.28	..
Aniline Oil ....lb.	.16	.16	.15	.17	1.40
Benzaldehyde ....lb.	.60	.60	.55	.45	..
Betanaphthol, dist. ....lb.	.24	.24	.24	.30	1.50
Paranitroaniline ....lb.	.73	.73	.73	.77	1.85
Average .....	0.352	0.352	0.348	0.319	1.25
					1.67

Very little interest was shown in intermediates during the week owing to the holiday interruption and the approach of the new year. Buying for this year has practically ended and interest has turned to business for next year. Business in intermediates improved greatly during the past few months and finds the market in a firm position at the close of the year. The prospects for 1923 are very encouraging. That consumers are showing confidence in the future, is manifested by the recent contract business which has been placed for deliveries over the first quarter of the coming year. Supplies in a number of products are none too plentiful owing to the scarcity of crude material, and makers are unwilling to contract ahead in these commodities. In others, old stocks have tended to keep prices down below present costs of manufacture. Prices, on the whole, are steady. Higher costs of manufacturing are making a few items stronger, especially dimethylaniline, benzaldehyde and benzoic acid. H-acid has been in very good demand. Gamma acid is going well. Aniline oil stocks are comparatively low in makers hands and none in the resale market. Toluidines are firm. Crudes are still very scarce. While production is said to be improving in benzol it is far from satisfying the demand. Imported phenol is in better supply. Very little cresylic acid is available.

#### Coal Tar Crudes

**Benzene**—The situation has shown very little improvement in supplies and the demand is still strong. The greatest demand is for motor fuel purposes and with the coming of winter, consumption will be less. Maker's production has been sold far ahead, however. Quotations are unchanged at 27c@32c gal. as to quantity at works for 90 per cent. C. P. quoted at 30c@35c.

**Cresylic Acid**—Supplies are generally lower in the market and the prospects for the future are far from encouraging. Domestic production is well contracted for. The little material in the market is quoted at

90c@95c gal. for 97-99 per cent. Imported is available at high prices.

**Naphthalene**—Very little interest is being shown in the spot market. Contract business is being placed however, for next year. Flake is quoted at 6c@6½c lb. and balls at 7c@7½c at works. Crushed at 5c and crude at 2¾c@3c.

**Phenol**—Not much change in the situation. Imported supplies are offered at 35c@40c lb. for U. S. P. material. In the open market goods have been offered at 33c@35c but it is said to be of poor quality.

**Toluene**—Demand is strong for supplies but the scarcity is still acute. Production has been slow and consumers are forced to wait for deliveries. Quotations are unchanged and apply to future delivery. Quoted at 30c@35c gal.

#### Intermediates

**Acid Anthranilic**—Supplies of technical are available at \$1.10@\$1.15 with demand along routine lines. Refined is quoted at \$1.30@\$1.35 lb.

**Acid, Benzoic**—The tone of the market is stronger with technical quoted at 60c@65c. U. S. P. is named at 68c@72c as to quantity and seller.

**Acid, Cleve's**—Interest is lacking with only an occasional inquiry. Quoted at \$1.50@\$1.55 in barrels.

**Acid, Gamma**—Business has been very good the past few months and, after the momentary lull of the present, is expected to continue. Makers' prices range from \$1.75@\$1.85 as to quantity.

**Acid, H**—Makers have been enjoying good business and some contracts are being placed for the coming year. Supplies are low and makers are busy keeping up with the demand. Prices are firmer and 75c is an inside price for large orders. The range is generally quoted at 75c@80c as to quantity. Small orders are placed as high as 85c.

**Acid, Naphthionic**—Technical is quoted at 60c@62c with demand slow. Refined held at 65c.

**Acid, Salicylic**—Continues in steady demand at recent higher levels. Indications point to continued high prices with the present costs of production. Technical is quoted at 37c@38c and U. S. P. at 40c@41c. Resale offerings are limited at 34c@37c.

**Acid, Sulfanilic**—Makers are quoting 20c lb. though supplies may still be obtained at 17c in some directions.

**Alpha-naphthylamine**—Better consumption has improved the market which is now firm at 28c@29c.

**Aniline Oil**—Supplies are comparatively small owing to the scarcity of raw material. Prices are firm at 16½c@17c in drums. The resale market is bare of supplies.

**Benzidine**—Demand is quite steady with makers quoting 85c@87c according to quantity.

**Beta-Naphthol**—Technical is quoted at 24c@26c as to maker and quantity. Demand has slowed down somewhat the past few weeks but increased activity is looked for with the coming year.

**Dimethylaniline**—The market continues strong with makers quoting 40c@41c in drums. Recent advances



in alcohol have increased costs of production and higher prices are looked for.

**Nitrobenzene**—Crude quoted at 9½¢@10½¢ as to quantity. Redistilled at 10¢@11¢.

**Ortho-toluidine**—Stocks are becoming low and scarcity of toluol makes prices firm. A range from 14¢@16¢ as to quantity and seller.

**Para-nitraniline**—Firm on good demand and increased costs of production. Quoted at 73¢@75¢ as to quantity.

**Para-toluidine**—Quoted at a range from \$1.00@1.15 as to seller. Market becoming strong with increasing costs of manufacturing and gradual depletion of stocks.

### DYE HOUSES CONFER ON TARIFF RATES

Dye importers and manufacturers held an important conference with officials of the United States Bureau of Standards, the Tariff Commission, and the Treasury Department at the Appraiser's Stores, New York, December 19 and 20. Formulation of standards of strengths for appraising duty on imported dyes and the regulations for the administration of the dye sections in the tariff, sections 27 and 28, were the topics of discussion. A tentative list of dyestuffs is to be drawn up by the customs division of the Treasury Department and this list will be submitted to both domestic manufacturers of dyestuffs and importers in order that their opinions as to the classifications of the dyestuffs on the list may be had. It was also decided that any regulations that might be drawn up would be entirely tentative as changing conditions in the American industry and in the import situation, would be reflected in the administrative policy of the department.

The representatives present at the meeting included John F. Strauss, Strauss & Hedges; E. R. Pickrell, H. A. Metz & Co.; Dr. Charles H. Herty, Synthetic Organic Chemical Manufacturers' Assn.; W. J. Gordon, Textile Alliance, Inc.; E. A. Macon, Textile Alliance, Inc.; H. F. Wilmot, Synthetic Organic Chemical Manufacturers' Assn.; Paul Pickhardt, Kutroff, Pickhardt & Co.; H. A. Haywood, B. R. Price, National Aniline & Chemical Co.; Dr. G. W. Knight, chemist, Appraisers' Stores; Dr. Peter Fieberger, colorist, Appraisers' Stores; W. D. Appell, U. S. Bureau of Standards; Dr. W. N. Watson, chemical division, U. S. Tariff Commission; George J. Montgomery, Appraisers' Stores, and John Donnelly, Special Deputy Appraiser.

### WANT TEXTILE ALLIANCE FUND

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Dec. 27.—A memorandum is being prepared for Secretary of State Hughes in connection with the surplus fund of the Textile Alliance, resulting from the sale of Reparation dyes. The amount is said to be \$800,000.

The National Research Council is making efforts to obtain the \$800,000 for research work. The original agreement between the Textile Alliance and the State Department was that any surplus from the sale of dyes should be used for scientific work. Congress will have the disposition of the fund.

The Puritan Dye & Chemical Co., Northboro, Mass., has let the contract for the construction of two additional buildings at its plant, and is planning to increase its output as well as the variety of products.

### U. S. OFFERED GERMAN PATENTS?

**Unconfirmed Rumor Heard in Official Washington of Patent Offer by Germany—Price Paid to Be Charged Against Cost of Army of Occupation**

Washington, D. C., Dec. 27.—A story has been rumored in Washington for several days, which cannot be confirmed, to the effect that the German government is offering the American government some valuable German chemical patents. The story is to the effect that these patents will be turned over to the American government by the Germans, if accepted, in partial payment of the debt which the German government owes the American government for the Army of Occupation on the Rhine. It is said that several experts of the Chemical Warfare Service of the United States Army are in Germany now looking into the matter. No government official will discuss the rumor, but there seems to be considerable doubt regarding its truthfulness because the American government could not very well sell German patents to American chemical manufacturers.

### DYE PATENT CLAIMS NOT INVOLVED UNDER THE NEW WINSLOW BILL

**Miller Tells House Foreign Commerce Committee There Is No "Joker" in Bill—Inserted to Preserve Status of Litigation, Says Alien Property Custodian**

Washington, Dec. 27.—Sale of dye and chemical patents, or licenses granted under such foreign patents held by the alien property custodian will not be affected by the Winslow bill, Alien Property Custodian Miller told the House Foreign Commerce Committee today. Neither would the status of the Government's suits both in the Delaware and New York district courts, for the recovery of certain patent rights sold by a former alien property custodian, to the Chemical Foundation, be affected by the bill, Mr. Miller said.

"Stories appearing in Washington papers this morning said there was a 'joker' in the bill, in that a section provided that the proposed authorization for the restoration of seized property shall not apply to money paid to the alien property custodian in the purchase of enemy property."

Members of the committee were indignant at the charge of a "joker," and Chairman Winslow, who said he drew the paragraph in question, declared that the "joker" would have been to have left the paragraph out of the bill.

Mr. Miller said the paragraph was inserted to preserve the status of Government suits now pending for the recovery of the patent and trade mark rights, sold to the Chemical Foundation by his predecessor, Francis P. Garvan, and that if there could be any criticism of that part of the bill, it must be that it might not be strong enough.

Some of these patents, he said, had a very great value, and the bill should be amended to prevent any such claims being paid. Mr. Miller added that if the paragraph remained in the bill unamended, it would be difficult to subdivide among the various claimants the \$250,000 paid for patent rights by the Chemical Foundation, now tied up in a suit brought by the Department of Justice in Delaware, to cancel the sales made by a former custodian.

The plant of the Franken Color Works, Chatham, N. J. manufacturer of dyes and chemicals, was recently damaged by fire caused by an explosion.

## The Oil Market

Current Spot Quotations of Oils, Tallow, Greases, page 1663

### CHINA WOOD OIL MOVING UPWARD

**Fatty Oil Business Generally Very Dull Over Christmas Holiday—Wood Oil Scarce on Spot and for Shipment—Consumer's Needs Covered by Contracts—Fish Oil Supplies Low at Works—Animal Oils Sluggish**

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Chinawood Oil, 1/4c lb.	Advanced
Turpentine, 2c gal.	Declined
	Rosin, 10c@20c unit

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	\$61	\$61	\$60	\$45	\$1.27	\$36 1/2
Degras, American, bbl..lb.	.04 1/2	.04 1/2	.04 1/2	.04	.25	.03 1/2
Lard, No. 1.....gal.	.79	.79	.79	.67	2.90	.92
Menhaden, crd. bbls.....gal.	.48	.48	.55	.35	1.20	.33
Neatsfoot, 20 deg. ct.gal.	1.35	1.35	1.35	1.25	3.45	.96
Red Oil, distilled.....lb.	.10	.10	.10	.07 1/2	.17	.07
Stearic Acid, T.P.....lb.	.12 1/2	.12 1/2	.12 1/2	.10 1/2	.33	.12
Coconut, Ceylon						
Dom., bbls.....lb.	.08 1/2	.08 1/2	.08 1/2	.08 1/2	.20	.14
Cottonseed, crude, tanks.lb.	.08 1/2	.08 1/2	.08 1/2	.07	.25	.08
Linseed, carlots.....gal.	.90	.90	.87	.67	1.88	.57
Olive, denatured.....gal.	1.15	1.15	1.15	1.15	4.50	1.05
Peanut, refined.....lb.	.12 1/2	.12 1/2	.12 1/2	.11	.30	.08
Soya Bean, bbls.....lb.	.12 1/2	.12 1/2	.12 1/2	.09	.19 1/2	.07
Average .....	0.457	0.457	0.463	0.399	1.30	0.352

With the holiday season at hand, and the close of 1922 only a few days away, very little business was transacted. What business passed was spasmodic and of a routine nature. The present strength of Chinawood oil was the only interesting feature of the market. Supplies are scarce on spot and holders are asking higher prices. Shipments are coming in slowly and the outlook for the future is not encouraging as stocks are lower than ever and demand is still strong. Linseed crushers are firm in their recent advance in oil, though business is slow for spot goods. Large consumers are well taken care of by previously placed contracts. Flaxseed is somewhat easier in Argentina after the bearish reports of damages to the crop. Animal oils have been sluggish and little activity is looked for until after the turn of the year. Prices have remained steady though due to the fact that stocks are somewhat limited and will be taken up quickly when buying starts up again. Fish oils are scarce and there is little activity in this line. Producers of menhaden are firm in their demands for high prices as the fishing season is over and only a small amount is on hand at the works. Turpentine declined slightly. Rosin is also lower.

**Castor Oil**—Demand has been routine with prices holding steady at recent quotations. No. 1 in barrels is offered at 12 1/2c@12 3/4c. No. 3 quoted at 11 1/4c@12c lb.

**Chinawood Oil**—Stocks continue short on spot and prices are at higher levels. Spot in barrels quoted at 13c@13 1/4c and tanks at 13c. Interest at present is confined toward forward positions with January-February in tanks at 12 3/4c. March-April at 12 1/4c@12 1/2c.

**Coconut Oil**—The market has been dull with spot Ceylon held at 8 1/2c@8 3/4c in barrels. Shipments have been showing a little more activity. Cochin, spot, quoted at 9 1/2c@9 3/4c in barrels. Manila at 7c@7 1/2c at coast.

**Corn Oil**—Crude continues in good demand though supplies are somewhat limited. In sellers' tanks at mills at 8 3/4c@9c. In barrels New York at 10 1/2c@11c. Refined in barrels spot at 12 3/4c@13c.

**Cottonseed Oil**—Trading was quiet during the week with the holidays breaking into business. Plants in the south were closed down and little activity is expected during the remainder of the year. Prime summer yellow on spot is firm at 9 3/4c. Crude at mills held at 8 1/2c. January, 9 3/4c. February-July, 10c@10 1/2c.

**Linseed Oil**—The market was inactive except for occasional small orders. Most buyers are covered for the year so very little spot business was carried on. Stocks are not plentiful, however, and prices held firm at 90c per gal. for raw in carlots on spot and for January. February-April named at 87c in carlots. London linseed oil lower at 39s. The flaxseed situation is easier with Duluth cash at \$2.69. December, \$2.68; January, \$2.59; May, \$2.44; July, \$2.40. Winnipeg cash closed the week at \$2.10. December, \$2.09; May, \$2.09 1/2; July, \$2.08. Buenos Aires, February seed, \$1.63.

**Olive Oil**—Demand was confined to moderate buying and the market was generally quiet. Denatured quoted at \$1.15@1.17 on spot. Edible held at \$1.75@2.10. Foots were slightly easier at 9c@9 1/4c.

**Palm Oil**—There was very little doing in the market and the situation is essentially unchanged. Lagos at 7 1/4c@8c. Niger, 6 1/4c@6 1/2c. Calabar, 6 1/4c@7c.

**Peanut Oil**—Supplies continue to be very scarce and prices are nominal at 12c@13c for crude in the south. Refined in barrels New York held at 14 1/4c@15c.

**Perilla Oil**—Little interest is shown at present with stocks practically cleaned up. Shipments from the Orient are quoted at 13 1/2c@14c.

**Rapeseed Oil**—Refined in barrels is quoted at 78c@80c on spot. Business was quiet as offerings are small. Blown in barrels quoted at 95c@98c.

**Soya Bean Oil**—Crude is held at 10 1/2c@11c on spot with supplies scarce. Shipments are slow in coming in due to difficulty in obtaining tank ships. Crude in tanks at coast at 9c@9 1/2c. Refined on spot at 12 3/4c.

#### Animal Oils

**Lard Oil**—Trading was light and business is not expected to improve until the beginning of the year. Edible is quoted at 15c@16c. Off prime at 13 1/2c. Extra No. 1 12 1/2c.

**Oleo Oil**—A little interest was shown but buying was along modest lines. No. 1 in barrels on spot quoted at 10 1/4c@14 1/4c. No. 2 10 1/2c@10 3/4c.

**Red Oil**—Prices are firm though market was quiet. Distilled and saponified quoted at 10c.

**Tallow**—Little change in the market with edible quoted at 9 1/4c@9 1/2c. City extra, loose, at 8c.

#### Fish Oils

**Cod Oil**—Stocks are low and holders are firm in asking higher prices. In tanks on spot New York, held at 58c@59c. Newfoundland held at 60c@61c in barrels.

**Menhaden Oil**—Large consumers have been supplied

and present holders of oil are asking 50c per gallon at works, Baltimore. Buyers are showing small interest at these figures. Fishing for the season is practically over along the coast and only a small amount of oil is on hand.

#### Naval Stores

**Turpentine**—No important developments took place over the week. Business was sluggish and prices declined slightly during the early part of the week. Ex-yard, \$1.36 per gallon. Savannah, \$1.30. London, 95s.

**Rosin**—Buying was along conservative lines and prices declined for all grades. B, \$6.05@6.10; D, \$6.10; E-F, \$6.15, G-K, \$6.25; M, \$6.45; N, \$6.65; W/G, \$7.15; W/W, \$7.90.

### Oil Trade Notes

A mill for expressing oil from linseed grown in New Zealand has been recently established at Auckland, according to a report received by the Department of Commerce.

The final report of the Department of Agriculture on the flaxseed crop for 1922 indicated a production of 12,238,000 bushels, a yield of 9.4 bushels per acre. The total value of the crop is estimated at \$25,869,000. Last year's production was 8,029,000 bushels and that of 1920, 10,774,000 bushels.

Production figures and values for 1922 up to Dec. 1 have been announced by the Department of Agriculture for corn, peanuts, flax and cottonseed. Corn, 2,890,712,000 bushels and \$1,900,237,000; flaxseed, 12,238,800 bushels and \$25,869,000; cottonseed, 4,424,000 tons and \$177,756,000; peanuts, 623,507,000 pounds and \$29,222,000.

The copra production of Portuguese East Africa for 1922 is expected to amount to 12,000 tons, an increase over last year of 2,000 tons. The increase is attributed to young trees coming into bearing, though production of nuts per tree has decreased from 33 to 30. The nuts are also smaller due to unfavorable coconut culture conditions.

The United States produces from 35,000,000 to 50,000,000 bushels of peanuts a year, says the statistician of the National City Bank of New York, yet our importation of peanuts in the past decade has amounted to 27 million dollars value, and of peanut oil 54 million dollars, while our exports of peanuts in the same period were nearly 10 million dollars, though of peanut oil the quantity exported was comparatively small.

A monthly index value of oils and fats such as butter, lard, coconut oil and other important oils, has been compiled by a large British oil crusher and refiner and the index averaged for all oils and fats, based on a pre-war average value per ton of £44 3s 11d for January to October, 1922, is as follows: 128.8, 132.0, 133.4, 138.6, 141.8, 139.7, 137.1, 140.4, 131.7, which indicates a gradual rise from January to June and a corresponding decrease to October.

According to data received by the Department of Commerce, production of vegetable oils has been on the increase in Italy. Totals for 1918, 1919 and 1920 amounted to 193,000 quintals, 243,470 quintals and 552,238 quintals, respectively, made up principally of sulfur, sesame, peanut and coconut oils. Later data are not available. While these totals do not include edible olive oil produced, the growth in three years indicates that the need for imported cotton oil will soon be met by domestic production.

### WOOD OIL PRICES HIGHEST IN HISTORY

**Expanding Uses and Demand from America Responsible for Small Stocks in China—Political Disturbances Holding Back Some Oil—Turning Away from Barrel Shipments to Bulk Oil in Tanks**

Shanghai, Nov. 22.—There has never been a year in the history of the Chinawood oil trade when prices have been so high and so constantly firm as during the year 1922, according to Lansing W. Hoyt, Trade Commissioner at Shanghai. At the present moment, the market value at Hankow spot stocks, or nearby delivery, stands at \$13.60 gold per 133½ lb. (picul), which is the highest value ever known in the Hankow market. Even at this price no stocks to speak of are offering and it is extremely difficult to secure oil for December delivery. The new crop of oil (January delivery) stands at \$12.20 gold for 133½ lbs. (picul), a price unprecedented for that option. A successful operator states that present high prices are due to the continued large demand from America and some small business in Europe, but primarily to the scarcity of oil. There is practically no unshipped cargo from the Hunan (province south of Hankow) producing area, and that which remains from the province of Szechuan (800 miles west of Hankow) is held back by political disturbances at interior points, which prevent the small dealer from transporting his goods to such collecting centers as the cities of Wanh sien and Yunyang.

Shipments of oil from Hankow for export for six months ending Oct. 1, totalled 99,199 bbls. to the United States and 24,459 bbls. to all other countries. As an item of interest to the wood oil trade is the fact that except for small shipments, oil is being forwarded very largely in bulk. This bulk, or tank shipment, is a recent development in the export of oil, and the success of this mode of transport is due primarily to the enterprise and initiative of an American firm in the trade at Hankow. In the case of bulk shipments the oil is delivered from the interior to a 1,500 ton receiving tank from whence it is pumped by pipe line to the waiting tanker in the Yangtze River.

A good deal could be done to lower the price of wood oil to the ultimate consumer, if more direct dealing with the Chinese producer "up country" could be arranged. The product at present goes through too many hands—farmer, collector, oil dealer, compradore and finally refiner and shipper. The natives crushing the oil this year were receiving Taels 8.00 per picul (\$4.50 gold for 100 lbs.) as against a price paid by refiners at Hankow of about twice that figure, roughly \$8.25 gold per 100 lbs.

The unsettled political condition of the wood oil country has made this "squeeze" possible, and it is doubtful whether direct dealing with the native can be accomplished without Chinese official protection from the local and provincial authorities in Hunan, Hupeh and Szechuan. Handling and refining costs from Hankow to the ultimate consumer have been greatly reduced through efficient methods, but there is even a greater opportunity for efficiency experts in lowering costs to Hankow refiners by cutting out the intermediaries who are ever present before the oil reaches the refinery.

Exports of copra from Saigon and French Indo-China, Jan. 1 to Aug. 31, 1922, were 3,361,438 kilos; for 1921, 2,661,174 kilos according to a report received by the Department of Commerce.



## The Crude Drug Market

Current Spot Quotations of Crude Drugs, . Page 1665

### MILLERS ADVANCE INSECT POWDER

Up to 70c Pound—Henbane Leaves Offered in Small Way—Mastic Gum Cheaper—Aconite Root Scarce and Higher—Sarsaparilla Again Easier—Russian Cantharides Cut—Quiet Week Reported in Most Quarters

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Aconite Root, 5c lb.	Cumin Seed, 2½c lb.	Aconite Leaves, 5c lb.	Mastic Gum, 15c lb.
Althea Root, 2c lb.	Gambier Gum, ¼c lb.	Bees Wax, yel., 1c lb.	Marjoram, French, 1c lb.
Arrowroot, St. Vincent, 2c lb.	Henbane Leaves, 13c lb.	Cantharides, Russian, 40c lb.	Sarsaparilla, Mex., 1c lb.
Colocynth Pulp, 15c lb.	Insect Powder, 5c lb.	Japan Wax, ¼c lb.	Wormseed, Lev., 25c lb.
	Rosemary Leaves, 1c lb.		

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$40	\$35	\$23	\$22	\$90	\$12
Buchu Leaves, Short	1.10	1.10	1.05	1.08	4.00	.85
Cantharides, Russian	2.00	2.40	2.40	2.50	9.00	2.10
Cocculus Indicus	.08½	.08½	.08½	.06½	.85	.08
Ergot, Spanish	.60	.60	.60	1.08	4.50	.54
Insect Powder, pure	.70	.65	.65	.42	1.00	.28
Ipecac, Cartagena, pwd.	1.70	1.70	1.70	1.60	4.50	1.35
Nux Vomica	.07	.07	.07	.10	.14½	.07
Opium, gum	6.75	6.75	6.75	5.50	30.00	5.00
Rhubarb Root, H. D.	.45	.45	.45	.50	1.75	.15
Tragacanth, No. 1, ribbon	1.80	1.80	1.80	2.50	6.00	1.50
Wild Cherry Bk., thin nat.	.09	.09	.09	.09	.21	.07
Average	1.35	1.37	1.36	1.36	5.28	1.00

Crude drug sellers expect very little activity until after the turn of the year. The early part of this week developed little or nothing in the way of business, but small lots buyers were rather active late last week. Scarcities developed along new lines and to these most of the advances were due. Whole Russian cantharides dropped to two dollars per pound. Insect powder was advanced again. Gum mastic is cheaper on spot. Mexican sarsaparilla continued on the down-grade. Market is short of aconite and althea roots, cumin seed, henbane and rosemary leaves, and arrowroot, and prices are higher in consequence. Insect powder is up to seventy cents inside. Levant wormseed is easier. Colocynth pulp has advanced. Culvers root firm, but unchanged in price. Belladonna leaves and burdock root are off the market.

**Aconite Leaves**—Offered lower at 20c@22c lb. Market dull and stocks heavy.

**Aconite Root**—Scarcity of aconite root acute with only small lots available. Price held higher at 40c lb.

**Althea Root**—Advanced to 14c@16c lb. for cut material in cases. Goods scarce and buyers active. Whole root in bags offered at 9c@10c.

**Aniseed**—Spanish seed held higher in some quarters but 19½c@20c can still be done. Star firm at 15c@15½c lb. Demand for all grades good.

**Arrowroot**—St. Vincent hard to obtain and higher on spot. Holders quoting inside at 10½c and range to 11c as to quantity. American powder in barrels 5½c@6c. Shipment prices have been advanced.

**Asafetida**—Down to 32c can be done on lump U. S. P. material. Asking up to 35c as to quantity. Powder unchanged at 60c inside.

**Belladonna**—Leaves virtually unobtainable at any price. A few odd lots might be had at seller's figures but quantity would not be large. Root holding at 11c@13c in slow market.

**Bees Wax**—Sellers quote easier figures on yellow grade. Named at 24c@25c lb. White and crude unchanged at 37c@38c and 20c@22c, respectively.

**Buchu Leaves**—Strong at \$1.10 lb. for bales. Less bales held at \$1.12@1.15 as to quantity. Good steady demand continues and sellers are generally bullish.

**Burdock Root**—None available in quantity. Closed out at 18c per pound. One factor quotes 20c@25c to arrive.

**Cantharides**—Russian whole goods in better supply and sellers have reduced prices sharply to \$2.00@2.10 lb. Powder remains at \$2.75@3.00 but is weak thereat. Chinese material firm at \$1.10 for whole and \$1.30@1.35 for powder.

**Caraway Seed**—On spot 31c can be done. Range is to 32c as to quantity and seller. Shipment market is practically as high as spot and very little seed is being offered in Holland.

**Cardamom**—Some holders are asking more for de-corticated seed but 65c can still be done in quantity. Up to 69c is quoted. Bleached ranges from 90c to \$1.15 as to quality. Green grinding 75c.

**Cascara Sagrada**—Stocks on spot are not large. Sellers are asking 14c@15c for 1920 and 1921 peels. This year's crop is offered for delivery in a month at 13c.

**Celery Seed**—Available at 23c@23½c. Strong and scarce on spot.

**Chamomile Flowers**—Hungarian soft at 19c@20c lb. Small amount of Roman stock held closely at \$1.25.

**Cloves**—Shipments are arriving and considerable spice is reported at nearby positions. Held at 31c@32c spot but should be lower in near future. For late shipment 17c@18c c.i.f. is quoted.

**Colocynth Pulp**—Advanced to 45c@50c lb. on spot scarcity.

**Coriander Seed**—Reported that no natural goods are available here but small lots might be had at 12½c@13c. Bleached strong at 16c@16½c.

**Cumin**—Higher at 35c@37c lb. Stocks limited and shipment prices are tending upward.

**Culvers Root**—Offered at 60c@65c lb. Scarce on spot and prices have firmer tendency.

**Ergot**—Quiet at 60c@65c as to quantity and seller. Some holders refuse to do the inside figure. Stocks are large and as demand is ordinary sellers expect little of a startling nature from this article.

**Gambier Gum**—Held at 9½c@9¾c lb.

**Henbane Leaves**—Market practically bare of stocks. One small offering at 58c lb.

**Insect Flowers**—Pure powder is up to 70c@75c lb. in bbls.; 50 p. c. advanced to 41c@43c. Shippers are reported holding to 58c c. i. f. on closed whole flowers. Mixed open and closed at 54c c.i.f. Demand for shipment goods unusually large and holders abroad are bullish in their views.

**Japan Wax**—Eased off to 14¼c@15clb.

**Licorice Root**—Selected in bundles at 18c@22clb. as to quantity. Some sellers inside at 18½c. Powder 9c@10c with cuttings 9c@9½c. Some Russian whole is offered at 8¼c@8½clb.

**Lycopodium**—Soft at 50c@52clb. Fair demand reported but stocks on spot are heavy.

**Manna**—Small flake weak at 35c@36clb. Large flake 58c@60c.

**Mastic Gum**—Cheaper at 45c@48clb. Excitement at producing center has largely subsided and lower quotations are heard for shipment.

**Marjoram**—French goods again cheaper at 14c@15clb.

**Quince Seed**—Goods to arrive within three or four weeks are offered at \$1.50lb. Spot stocks limited and held firmly at \$1.65@1.75.

**Rhubarb**—Continues dull with only small orders in the market. Whole goods at 45c with powder at 50c. Prices soft.

**Rosemary Leaves**—Sudden run on market took considerable material out and prices advanced to 4c@5clb.

**Saffron Flowers**—Valencian goods quoted at \$33.00 lb. if and when released. For spot material \$34.00 is wanted. American holding at \$1.40 inside.

**Sarsaparilla**—Mexican grade down to 22c@23clb. Holdings large and buyers inactive.

**Wormseed**—Levant seed reduced to \$3.25. Ranges to \$3.50 as to seller.

### Crude Drug Notes

The Calvert Drug Co. of Baltimore, will hold its annual banquet on Jan. 18 at the Emerson Hotel.

H. R. King, manager of the New York sales office of McLaughlin, Gormley King Co., will return early next week after spending Christmas with his family in Minneapolis.

The Standard Pharmaceutical Corp. of 417 W. Conway st., Baltimore, Md., will shortly enter the manufacture of a general line of pharmaceutical preparations. Dr. N. A. Springer is president.

Lehn & Fink, New York manufacturing chemists and wholesale druggists, have opened a branch in New Orleans at 740 Union st. C. W. Hornor is in charge of the new branch. Branch offices were also established in St. Louis, Chicago and Los Angeles at the same time.

The Owl Drug Company has purchased a half interest in the Metropolitan Building, 5th st. and Broadway, Los Angeles, Calif., according to C. F. Berg, general manager of the Owl Co. The property is valued at close to two million dollars. The corner store in the building is now occupied by an Owl store.

A. L. Lyons, president of the Maryland Pharmaceutical Association gave a canvasback duck dinner to the officers and a few guests at his residence in Havre de Grace, Md., on Dec. 8. The party included Charles L. Meyer, and H. A. B. Dunning, vice-presidents of the association; R. E. Lee Williamson and Charles Neal, of the executive committee; E. F. Kelly, secretary; Samuel Y. Harris, secretary, and Walter Pearce, chairman of the entertainment committee; J. Fuller Frames, of the Maryland Board of Pharmacy, and R. M. Lyons.

### P. H. JADWIN DIES

Palmer H. Jadwin, president of O. H. Jadwin & Sons, wholesale druggists, of 63 Cortlandt st., died Sunday, after a long illness, at his home, 124 Gates avenue, Brooklyn. He was born in 1868. He succeeded his father as head of the druggist concern. His summer residence was at Huntington, L. I. He was a member of the Huntington Country Club and the Riding and Driving Club of Brooklyn. He leaves his wife, Cornelia Blankley Jadwin; three sisters, Mrs. Frank B. Anderson of San Francisco, Mrs. Ernest H. Pillsbury and Mrs. Henry R. Lathrop of Brooklyn, and two brothers, Paul O. and Stanley P. Jadwin, of Brooklyn.

### BOTTLED-IN-BOND LIQUOR RULING

Washington, D. C., Dec. 23.—Only bottled-in-bond liquor may be withdrawn from bond for medicinal use, according to a ruling by Commissioner of Internal Revenue D. H. Blair as follows: To Federal Prohibition Directors and Others Concerned: In the interest of the public health, and to prevent the use of impure, harmful and poisonous liquors, the withdrawal, for medicinal purposes, from distillery warehouses, general bonded warehouses, special bonded warehouses, concentration warehouses, or other warehouses in which untax paid spirits are held, of only such spirits, not including alcohol, as are bottled-in-bond, will be permitted on and after April 1, 1923, and special permits may be given to the owners of spirits in customs-bond and in free warehouses to bottle such spirit under the supervision of the Commissioner of Internal Revenue and upon the owner's giving sufficient bond against the unlawful diversion of such spirits while in transformation.

McCormick & Co., Inc., Baltimore, summoned their salesmen last week for a reunion and conferences. Nearly one hundred persons attended the sessions which began on Monday and continued until Friday. Addresses were delivered on business topics, sales methods, manufacturing processes, credits, and collections by W. M. McCormick, president of the company; Roberdeau A. McCormick, vice-president; and Richard H. Bond, general sales manager.

G. Barret Moxley, formerly vice-president and general manager of the Kiefer-Stewart Drug Co., Indianapolis wholesale drug house, has been elected president of the concern, to fill the vacancy caused by the death of William Scott. A. Kiefer Mayer was elected first vice-president; Edward L. Mayer, second vice-president; Michael P. Lynch, third vice-president; J. Edward Stiltz, secretary-treasurer, and Charles Mayer, chairman of the board of directors.

S. B. Penick & Co., New York city crude drug house, is no longer represented in the middle west by George L. Ringel. Mr. Ringel, who had also been acting as mid-western agent for Fritzsche Bros., Inc., New York essential oil house, has taken over the Canadian agency of the latter named company. S. B. Penick & Co. have not as yet selected anyone to fill the vacancy.

Thursday, Dec. 28, will be open house day at the Druachem Club, 160 Pearl st, New York City. The card mailed to members announces that an "armed reception committee" will be "on duty" from 12 noon until "the last train for the suburbs." Special luncheon parties are being arranged for members.

A. W. Courtney, founder of one of the first proprietary medicine houses in the United States, died in Buffalo General Hospital December 19 of heart disease. He was seventy years of age.

## The Essential Oil Market

Current Spot Quotations of Essential Oils, page 1669; Aromatic Chemicals, page 1670

### METHYL SALICYLATE ADVANCED 5c

Oil Peppermint Mounts to \$3—Bergamot Weaker Abroad and Cheaper on Spot—Cassia Firmer—Caraway Higher—Bourbon Geranium Scarce and Advancing—Oil Spearmint and Limes Easier—Italian Orange and Lemon Soft

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined				
Methyl Salicylate, 5c lb.	Oil Cassia, 5c lb.					
Oil Caraway, 25c lb.	Oil Geranium, Bourbon, 50c lb.					
	Oil Peppermint, 25c lb.					
Trend of the Market		Declined				
		Oil Orange, Ital., 5c lb.				
		Oil Spearmint, 5c lb.				
Trend of the Market		Declined				
	Today	Last Week	Last Year	War Peak	Pre War	
Oil Bergamot	\$3.00	\$3.10	\$3.10	\$5.00	\$7.00	\$5.00
Oil Citronella, Ceylon.....	.55	.57	.47	.42	.92	.56
Oil Cloves	2.00	2.00	2.25	2.25	3.70	1.40
Oil Lemon	.70	.70	.70	.65	1.70	2.00
Oil Peppermint, Nat.....	3.00	2.75	2.55	1.70	9.00	2.25
Oil Sandalwood, E. I.....	7.00	7.00	6.75	7.25	18.00	5.25
Oil Sassafras, Artif. ....	.42	.42	.42	.50	1.00	.26
Benzaldehyde, U.S.P. ....	1.40	1.40	1.40	1.25	5.15	1.50
Coumarin	4.00	4.00	4.00	3.75	31.00	3.10
Methyl Salicylate, Cans....	.52	.52	.52	.40	1.00	.90
Vanillin	.45	.45	.45	.55	.95	.29
Average	2.08	2.07	2.04	2.18	6.83	2.05

Buying of essential oils and aromatic chemicals dropped off sharply and only orders for small quantities were in the market. Next week will probably see an almost total cessation of activity, in the opinion of most sellers, but buyers are expected to renew their demands after the holiday season has passed. Methyl salicylate advanced five cents per pound. Oil peppermint is sharply higher. Other changes were few and comparatively unimportant. Cassia is firmer here and in the Orient. Bergamot weakened abroad and is cheaper on spot. Strength in English exchange caused sandalwood to advance for shipment, but \$7.00 can still be done on spot. Caraway and Bourbon geranium are scarce and higher. Lemon and orange are softer. Limes and spearmint are down. Citronella is quoted as low on spot as can be done for shipment c. i. f. Oil cloves offered at \$2.00 unchanged, but tendency is to lower levels.

#### Essential Oils

**Oil Bergamot**—Weakness in Italian exchange coupled with the fact that demand is unusually dull caused spot goods to ease off to \$3.00 inside. Some sellers holding for as high as \$3.25. Shipment figures dropped to \$2.80lb. c. i. f.

**Oil Birch Tar**—In regular channels better than \$1.00 can not be done on crude oil. Rectified goods offered at \$1.50.

**Oil Caraway**—Shipment prices are mounting steadily owing to acute scarcity of and sharply higher prices asked for seed. No crude oil can be had on spot and such limited supplies of U.S.P. as are available are held at \$6.25@6.50 as to seller. In consequence of high prices wanted the demand is small.

**Oil Cassia**—Shippers in the Orient advanced quotations and \$2.15@2.25 is asked for spot goods. Conditions at producing centers are bullish and the market here is strong. Technical oil is not offered on spot.

**Oil Citronella**—Spot goods can be had in some quarters at 55clb., which is lower than most shipment figures. A few quotations at 55c c. i. f. have come through but most holders abroad want 56c or more. Range on spot is to 57c for drums. Cans at 57c@60c. Demand is good and amount available in this market is none too large. Java oil continues scarce and prices are firm at 80c@85clb. for drums and 85c@90clb. for cans.

**Oil Cloves**—With several spice shipments in and numerous other lots afloat and at nearby positions the oil outlook is not as firm as has been the case during the past month. Sellers are quoting \$2.00@2.10 on cans as to quantity and \$2.10@2.20 on bottles. Spice prices for late shipment are holding well but the figure is but slightly more than half the cost of spot goods.

**Oil Eucalyptus**—In good steady demand and firm at 42c@45clb. in cases. Drugs of 500lbs. at 40c.

**Oil Geranium**—Bourbon oil of good quality scarce on spot and higher for shipment. Spot holders now asking \$7.00@7.50lb. Undergrade material can be had from \$5.50 up.

**Oil Hemlock**—Market is bare of stocks and no offers from the country, at reasonable prices, are heard. All signs point to a continuance of the present situation, as farmers refused to gather needles this year.

**Oil Lemon**—Soft abroad but holding at 70c@85clb. here, according to quantity, brand and seller. Figure could probably be shaded in some quarters on large quantity. For shipment to sellers 51c c. i. f. is reported general. Demand routine.

**Oil Limes**—Decline in shipment price weakened spot market. Expressed oil down to \$1.65@1.75lb. Distilled unchanged at 50c@55c.

**Oil Mustard**—American makers of artificial oil are quoting above the current market figure of \$2.50@2.75, in bottles, and cannot deliver. On 100 lb. cases \$2.25 can be done.

**Oil Orange**—Italian exchange dropped and carried sweet oil orange to \$2.35@2.50lb. as to seller. West Indian unchanged at \$2.25@2.40. Reported that \$1.90 was paid in the trade for bitter oil.

**Oil Peppermint**—The principal development of the week was in peppermint, which jumped sharply to \$3.00 inside on natural spot oil. Distilled up to \$3.25. The advance was due to position of oil in country, where holders have steadily refused to meet city sellers' ideas as to price. Very little oil had been sold, as city sellers would not pay high prices asked. Consumers were forced to buy as their stocks had become depleted. Country holders are steadily increasing quotations. A few offers were made at \$2.85 and \$3.00. One lot of 4,500lbs. was quoted at \$5.00. The end is not yet in sight and all signs point to still higher prices, unless control breaks in country.

**Oil Sandalwood**—Jump in exchange caused shipment figures to rise. Price still at \$7.00 inside on spot, although some sellers are up to \$7.10 and \$7.20.

**Oil Spearmint**—Easier at \$2.30@2.40 as to quantity. Market is dull and much of this year's crop is still in country.

**Wormseed**—Generally at \$4.00@4.25 spot, although a



few lots might be picked up at \$3.75. Has quieted somewhat in country but high figures are still quoted.

#### Aromatic Chemicals

Dull, owing to inactivity of holiday period, and as yet rather uncertain in some directions, because of the tariff. Sellers expect a general revision of price schedules after the first of the year. Several lots of hastily imported goods of inferior quality are on the market and are exerting a bearish effect.

**Methyl Salicylate**—Advanced five cents on strength of higher cost of wood alcohol. Price for drums now 55c, cans 57c. Demand continues unusually good.

#### SMUGGLING TOILET SOAP INTO MEXICO

The Mexican import duty on toilet soap is so high that soap has become the favorite article next to silk for smuggling into Mexico. The veteran Mexican smuggler, Martiniano Villareal, who was killed recently by Mexican Custom guards, was smuggling toilet soap and had eighteen burros loaded when the breeze carried the perfume to the guards on the Mexican side and led to the capture of the gang.

Laundry soap has been admitted into Mexico until recently with an import duty of ten centavos (10 cents American currency) per kilo, 2.2 pounds. Manufacturers in Mexico induced the Mexican Government to protect them by a duty of two centavos (one cent American currency) more a kilo, making the import duty now twelve centavos per kilo (six cents American currency for 2.2 pounds). In the new decree the Government warns the importers that the wrapper on the laundry soap must not contain any reference to the use of the soap for toilet purposes.

#### TOILET GOODS MAKERS TO DINE

Members of the Perfumery, Soap and Allied Industries of New York will hold a Christmas dinner at the Knickerbocker Grill, 42nd st. and Broadway, New York City, on Thursday evening, Dec. 28, at seven o'clock. The dinner will be in the nature of a special party and the committee promises extraordinary entertainment features. The sole topic for discussion will be "Standardization of Perfumery Raw Materials." F. K. Woodworth is scheduled to speak for ten minutes on this subject.

#### AMERICAN PHARMACEUTICALS IN DEMAND

Washington, D. C., Dec. 27.—United States holds good position in market for heavy chemicals, but British and German competition is very formidable, says the American Commercial Attache at Rio de Janeiro regarding drug and chemical imports in Brazil: "Good demand for American pharmaceutical specialties, as well as French, but domestic production is increasing very rapidly. The market favors high class French toilet preparations and perfumes. An American firm manufacturing locally has built up a good business. There is a good market for American dental preparations. The demand for ordinary soaps and other lines is being increasingly met by native production."

The Edible Gelatin Manufacturers of America, Incorporated, announces the establishment of an Industrial Fellowship in the Mellon Institute of Industrial Research of the University of Pittsburgh, for the purpose of ascertaining the real food value of edible gelatin in its manifold applications in the American dietary. The present incumbent of the Industrial Fellowship is Dr. Thomas B. Downey.

### Essential Oil Notes

Imports were light this week, the only receipts of note being 100 cases and thirty-five drums of eucalyptus, and 100 cases of lemon.

The failure of oil fennel to respond to the series of advances made on seed has caused some factors to speculate on how much fennel is contained in the oil sold as such.

Colgate & Co. subscribed more to the Red Cross this year than did any other New Jersey concern. The sum was \$1,400.25 representing 100 per cent membership of the employees.

The Inyo Talc Co., Los Angeles, Cal., will henceforth be known as the Sierra Talc Co. The concern markets a brand of talc which has always been sold under the name "Sierra."

A small case of oil broke and caught fire in the O. A. Brown Co. laboratory, 246 Pearl st., New York City, last week. No property loss, of consequence, was suffered, but one of the employees of the concern, Joe Groeger, was severely burned about the hands and face.

African geranium oil production has slumped considerably during the past two years. In 1919 thirty-four tons of oil were exported, in 1920 only fifteen tons, and in 1921 less than fifteen tons. About 3,000 acres of land, principally in the plain of Mitidja, are under cultivation.

W. G. Ungerer was host at a Christmas dinner given to about seventy-five of his personal friends last Wednesday, Dec. 20. The affair, held at the Lion D'Or, was something of a farewell party, as Mr. Ungerer sails for Europe Jan. 6, on the Majestic, for an extensive tour of the continent.

The country sellers of peppermint oil seem to have the best of the waiting battle up to this point. They have at least held off long enough to force city sellers to temporarily meet their ideas as to a fair price. How high the essential oil houses will go is another question, as each price from the country shows an increase over the previous one.

P. R. Dreyer, New York City, has been appointed United States representative for Societe des Essences Bourbonnaises, Paris, France, producers of the Chatel brand of geranium, vetiver and ylang ylang oils. Mr. Dreyer, who also acts as agent for Bertrande Freres, is mailing a wall hanger to the trade, showing various views of the latter named concern's Grasse plant.

A piece of ambergris weighing about twenty pounds, and valued at \$1,200, was found early in December on the beach at Bay Farm Island, Greater San Francisco. This is the second piece found within three months, the first one weighing five pounds and selling for \$300. Ambergris is the result of a secretion of the spermaceti whale and is used largely in the manufacture of perfumes.

Citronella is at present furnishing a situation which often occurs in the essential oil market. Buyers can take stocks out of the New York market as cheap as the sellers can secure replacements c. i. f. The inside for spot drums and shipment is 55¢ lb. The presence of weak sellers here, coupled with the belief in the trade that the strength abroad is only temporary, is keeping spot prices down.

## The Consuming Industries

### MILLS EXPANDING IN ALL SECTIONS

The general movement of mill expansion continues throughout the country. No better indication of the trend of business can be had than by watching new concerns spring up and older companies extend their operations.

The Sylvan Cotton Co., Shelbyville, Tenn., is installing seventy looms and numerous spindles, and has recently built an addition to its plant.

The Gaffney Mfg. Co., Gaffney, S. C., has contracted for 13,000 spindles, and other machinery, and has recently constructed twenty-five new homes for employees.

A slasher, quiller, and other equipment have been added to the plant of the Clyde Mills, Inc. Westerly, R. I.

The American Thread Co., Fall River, Mass., has built a \$125,000 plant addition.

The Erwin Cotton Mills Co., Durham, N. C., has increased its capital from \$5,000,000 to \$10,000,000.

The Kestner Manufacturing Co., Salisbury, N. C. has increased its capital from \$500,000 to \$1,500,000.

The Judson Mills, Greenville, S. C., recently increased the capital of the company from \$1,200,000 to \$2,500,000 and the stockholders expect to vote on another increase to \$3,250,000, on Dec. 27.

The Welland Cotton Co., Welland, Ont., has perfected plans for the erection of a new mill and the installation of equipment.

The Alta Vista Cotton Mill Co., Alta Vista, Va., is erecting several new buildings to cost about \$100,000.

C. A. Spencer & Son Co., manufacturers of tanning materials, has moved from Amesbury, Mass., to its new plant in Charlestown, Boston, Mass.

The Pecora Paint Co., Sedgley st., Philadelphia, Pa., has filed plans for a plant at Third and Sedgley sts., forming an additional unit to its present works.

All textiles manufacturing industries showed employment increases during November. Cotton manufacturing was up 7 per cent, wool 5.4 per cent, silk 3.4 per cent.

The Liberty Paint Co., 39 Tenth st., Long Island City, N. Y., has filed plans for a new plant. It will be two-story, 100 x 100 feet, and is estimated to cost in excess of \$90,000.

About 450,000 more tons of newsprint were produced in North America during the first ten months of 1922 than in the similar period a year ago. The figures were 1,957,513 tons for 1922 and 1,508,211 tons for 1921. Canadian production during the first ten months of 1922 reached 896,840 tons as against 237,249 for Jan.-Nov., 1921.

The American Good Roads Congress will be held in Chicago, Jan. 15 to 19. During the Congress, conventions will be held in Chicago by the Asphalt Association, the Midwest Section of the American Association of Engineers, the National Sand and Gravel Association, the National Crushed Stone Association, the Illinois Highway Contractors' Association, and the Illinois Association of General Contractors.

### New Consuming Companies

A. J. Bauer, New York, \$50,000. Drugs and chemicals. A. J. and C. O. Bauer, R. L. Canniff; attorney, E. R. Raynor, 55 Liberty st.

Dover Textile Works, Dover, N. J., \$50,000. E. G. and E. D. Kattermann, A. M. McFaul, Dover.

Garth Manufacturing Co., Passaic, N. J., \$100,000. To make textiles. Alpha and Asa Garth. Chas. H. Partridge, Passaic.

Alva Mfg. Co., Lindenhurst, Suffolk Co., N. Y., \$30,000. Chemists. A. C. Brill, F. S. Kraut, A. L. Dingle; attorney, E. W. Drucker, 295 Broadway.

Springs Mills, Wilmington, \$7,500,000. To make woolen and silk goods. Corporation Trust Co. of America.

Physicians Research Laboratories, Inc., 127 North st., Jersey City, N. J., \$100,000. Corporation Trust Co., 37 Wall st., New York.

Irrington Dyeing Co., 390 Nye ave., Irvington, N. J., \$100,000. To do general dyeing and cleaning business. Corporation Trust Co., 37 Wall st., New York.

Automatic Glass Products Co., Toledo, O., \$160,000. To make glass specialties. C. H. Lemmon, M. J. Warner, Toledo.

National Consumers' Paper Corp., New York, \$300,000. To make paper products. H. and B. Kuskel, H. L. Rosenberg; attorney, Horowitz, Reidler, and Herwitz, 1170 Broadway.

Meriden Industrial Alcohols, Inc., Newark, \$10,000. To make denatured alcohols. J. J. Lewis, Leo Roon, Morris Reiser, 321 Washington st., Newark.

Universal Textile Corp., Wilmington, \$9,500,000. To make silk. Corporation Trust Co. of America.

Clinton Drug Co., Inc., Clinton, Mass., \$10,000. To make drugs and medicines. W. F. Brady, M. T. Dwyer, Florence M. Brady, Clinton; John Meserlian, Worcester.

Interstate Drug Co., Boston, \$300,000. To make drugs and chemicals. R. J. Murray, Winifred C. Cawley, G. L. Edwards, Cambridge, Mass.

Hansen Rubber Products Co., Wilmington, \$250,000. Corporation Trust Co. of America.

Keene Chemical Co., Inc., New York, \$100,000. To do a general trading business. J. Weissbaum, 44 Pine st.

Willimantic River Paper Co., Inc., Wilmington, \$35,000. To make paper. Corporation Trust Co., 37 Wall st., Wilmington.

Glasgow Textile Mills, Inc., 323 Morris ave., Elizabeth, N. J., \$125,000. To make silk and other fabrics. Corporation Trust Co., 37 Wall st., New York.

San Juan Ice and Refrigerating Co., Wilmington, \$133,000. To make ice. Corporation Trust Co., 37 Wall st., New York.

Expansion in gold mining operations in Canada and consequent wider need for chemicals is reported from North Bay to be pending in the cases of the following mines in Northern Ontario: Hollinger Consolidated Gold Mines, McIntyre-Porcupine Mine, Nighthawk Peninsula Mine, Goudreau Gold Mine, Davidson Consolidated Gold Mine, and Kirkland-Hudson Bay Mine.

Figures so far received by the Department of Commerce on domestic business movements during the month of November show further increases in both production and distribution. Mill consumption of cotton for November totaled 577,561 bales, the largest for any month since July, 1917. Exports of cotton also increased to 858,337 bales, or over 8 per cent of the entire crop. Further increases occurred in production of pig iron, steel ingots, zinc, coke, locomotives and leather.

There has been introduced in the Brazilian Federal Senate, according to the *Diario Oficial*, a measure to encourage the establishment in that country of a factory producing printing paper from domestic raw material. A federal subsidy is to take the form of a loan granted to the first company organized to carry out the purpose of the bill. The loan is not to exceed 50 per cent of the total value of the plant, computed on the basis of 650 milreis for each metric ton of annual capacity of the establishment.

## CHINESE MILL TO FINISH OWN GOODS

The first spinning, weaving and dye works in China to be completely equipped with modern bleaching and finishing machinery was opened in Shanghai on Nov. 27 when an official ceremony was held by the directors of the Chun Tah Cotton, Spinning & Weaving and the China Dye Works. The two companies are under the same directorate.

It is the intention of the companies to receive raw cotton and to undertake all the processes of spinning, weaving, bleaching, dyeing and finishing and making up the cloth in the manner required for sale in the local piece goods market.

The American Linseed Co., 297 Fourth ave., New York, N. Y., will call for bids for a new two-story addition to its Port Richmond, N. Y., works. It will be 60 x 110 feet and is estimated to cost \$30,000.

An explosion in the plant of the Brinistool Paint and Varnish Co. at Los Angeles, Cal., on December 12, caused a loss of about \$35,000, and serious injury to a workman.

The Republic Cotton Mills will increase its capital to \$3,000,000 and expects to erect a new \$1,500,000 mill in the near future. Machinery has already been purchased and contracts will be let around Jan. 1.

G. J. Nikolas & Co., 1227 West Van Buren st., Chicago, Ill., manufacturer of lacquers, is taking bids for the erection of a plant addition, estimated to cost \$50,000. It will be three-story and basement.

The Shanghai silk market is reported easy. "Extra Grade" is quoted at Shanghai taels 1,570 per bale with "Medium" at 1,460. There are limited inquiries for Tusahs. The Shanghai filature operators are hesitating to stock up on cocoons at the present prices.

The Bedford Pulp & Paper Co., Richmond, Va., has arranged for an \$800,000 bond issue, a portion of which will be used for general expansion. The program includes plans for the erection of a three-story addition to its paper mill. Milton E. Marcuse is president.

A tannery is in process of construction in Santa Cruz de Teneriffe, Canary Islands. It is expected that the first hides will be started in process late in January or early in February, 1923. The monthly capacity is estimated at 5,000 hides sole leather, and 25,000 chrome.

About \$150,000 will be spent at the Jefferson Glass Co.'s plant at Follansbee, W. Va. in extensions and improvements. Part of the factory will be remodeled and new machinery is being installed to speed up production. The company makes illuminating glassware. C. H. Blumenauer is president.

The J. F. Kurfees Paint Co., Floyd and Market sts., Louisville, Ky., has acquired property at its plant, 61 x 200 feet, for the construction of additional units to double the company's present output. A five-story addition, estimated to cost \$200,000, with machinery, will be erected at an early date.

The consumption of artificial silk in Spain averages about 500,000 kilos per year and is used in the manufacture of hosiery, neckties, shawls, scarfs, and dress trimmings. The Official Chamber of Commerce at Barcelona estimates that consumption of artificial silk is about 1,000 kilos per day around that city, and states this silk comes from Switzerland, Germany and Italy.

## Trade Tips for Sellers

The De Boom Paint Co., 561 Clay st., San Francisco, is building a \$20,000 plant addition.

The Palmolive Co., Milwaukee, Wis., is erecting a one-story addition to its soap plant.

The Simplex Paper Co., Palmyra, Mich., is building a new plant, to cost about \$100,000.

The Appleton Co., Lowell, Mass., is considering building a cotton mill in the vicinity of Gastonia, N. C.

The Continental Leather Co., 315 North 3rd st., Philadelphia, is erecting a one-story addition to its tannery.

An addition is being built at the leather tannery operated by Pfister & Vogel, 443 Virginia ave., Milwaukee, Wis.

Machinery is being installed in the warp mercerizing plant of the Spinners Processing Co., Spindale, N. C. The new caustic recovery plant is almost completed.

A starch manufacturing plant will be established at Nampa, Idaho, by the Chamber of Commerce in that city. A company will be organized to operate the factory.

The Consolidated Paper Co., Monroe, Mich., is considering building a new mill for the manufacture of strawboard and kindred specialties. W. C. Tullis is secretary.

A three-story addition to the lacquer plant operated by G. K. Nikolas & Co., 1227 West Van Buren St., Chicago, will be built at once. The cost is estimated at \$50,000.

The Nelson Cotton Mill Co., recently organized, will build a cotton mill at Whitnel, N. C. J. L. Nelson, Sr., was elected president at a meeting held last week at Lenoir, N. C.

The Farr Alpaca Co., Holyoke, Mass., is building a 70,000 spindle mill which will supply about half of its warps. It is expected that the plant will be in full operation by March.

The Lumberton and Dresden Mill Companies, Lumberton, N. C., expect to effect a merger in the near future. If this is accomplished a new mill will be erected by the combination.

The Eddy Paper Co. has been taken over by officials of Sears, Roebuck & Co., Chicago. The company's mills at Three Rivers and White Pigeon, Mich., will be placed on a capacity basis within two months.

The Hamilton Cahart Cotton Mill at Mobile, Ala., has been purchased by several of the bondholders through Harry Weil of Montgomery. The property was sold at public auction for \$130,000 to satisfy \$7,000 claims.

A silk mill will be built at San Francisco by the Pacific Silk Mills, Inc., recently incorporated with capital of \$500,000. Plans for the erection of a weaving factory are under way. Allan G. Van Fleet, a San Francisco attorney, is a director of the new company.

The Common Council of Cuyahoga Falls, O., and the Board of Works at Oklahoma City, Okla., are considering installing filtration plants at the water works in their respective localities. Oklahoma City expects to spend over \$1,000,000 in improvements. Excess iron in the water at Cuyahoga Falls must be removed.



## The Foreign Markets

Imports of Drugs and Chemicals, page 1671

### SHELLAC ADVANCED 25 SHILLINGS

Arsenic Higher, and Gum Arabic and Potassium Permanganate are Firmer—Dextrines and English Castor Oil Lower—Japanese Mint Oil for Forward Delivery and Menthol Easier

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Dec. 27.—Dealing in crude drugs and chemicals is less active this week. Higher prices are quoted for shellac. Supplies on spot advanced 25 shillings and futures are strong. Arsenic is higher.

The market is much firmer for gum arabic and potassium permanganate.

Prices are easier on acetic acid, Japanese mint oil for forward delivery, menthol and oil of camphor.

Dextrines and English castor oil are quoted lower.

London, Dec. 16 (By Mail)—As might be expected our markets have slowed down on the near approach of Xmas and New Year and few commitments of any note are heard of. Several products such as camphor, both crude and refined, menthol, American and Japanese peppermint oils and China star aniseed oil have sagged somewhat since their recent advances. The undertone is fairly healthy and will probably improve after the turn in the year. Balsam, Canada and Peru, are higher in sympathy with your cabled advices. Benzoic acid and benzoates have not maintained their late sharp rise and further concessions would be easily obtained.

Agar agar, No. 1 strip, is again somewhat higher at 6s 3d.

Ergot of rye is again easier at 1s 9d per lb.

Gum Arabic is firmer on the spot, Kordofan sorts costing now 77s per cwt.

Camphor, Japanese slabs, have eased to 3s 10d per lb. Crude is likewise easier at 3s 4d per lb.

Iodine—Although no tidings have reached us from headquarters, nor is likely to until a change has been officially announced, there are certain signs which lead one to anticipate a higher price after January 1 as probable.

Potassium bromide is lower, although there is no apparent reason for it, seeing that higher prices are continually being quoted from Germany; for a round quantity 7d per lb would be accepted today.

Salicylic acid is steady at 1s 4d per lb and the firmer feeling is attributable to the higher cost of carbolic acid.

Benzoic acid and benzoates are much easier after their recent rise. The former is offering at 2s per lb and the latter at 1s 10d per lb.

Aniseed Oil—China star is easier at 2s 2d per lb owing to cheaper "arrival" offers.

Menthol is now obtainable at 42s per lb.

Japanese peppermint oil at 8s 3d per lb and

Peppermint oil, U. S. A., in tins is barely steady at 13s 6d per lb. The latter looks like again improving after this interval of rest, as stocks are well held and the demand continues very fair.

Formaldehyde is not so freely offered and on an improved demand the disparity in price compared with New York's higher value would rapidly disappear.

### FOREIGN EXCHANGE

Par Current

Great Britain (pound sterling).....	\$4 886	\$4.643
France (franc) .....	.193	.074
Italy (lira) .....	.193	.050
Germany (mark) per hundred.....	23.80	.015
Czechoslovakia (crown) per hundred.....	20.30	2.960
Poland (mark) per hundred.....	23.80	.005
Japan (yen) .....	.499	.488
Spain (peseta) .....	.193	.157
Holland (guilder) .....	.402	.398
Belgium (franc) .....	.198	.068
Norway (crown) .....	.268	.190
Switzerland (franc) .....	.193	.189
Sweden (crown) .....	.268	.269
Denmark (crown) .....	.268	.206
Argentina (peso) .....	.424	.380
Brazil (milreis) .....	.279	.120
China (Silver dollar—Hongkong).....	.789	.528
(Tael—Shanghai, silver) .....	1.082	.703
(Tael—Peking, silver) .....	1.156	.760

### Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

4619—Heavy chemicals, pulp and paper mill supplies—Canada. Agency desired. Quotations, f.o.b. Canadian port.

4627—Paper-mill machinery and supplies, and ground salt cake—Canada. Purchase desired. Quotations, f.o.b. Canadian port. Payment, cash.

4628—Magnesium carbonate, extra light, in quantities of 50 to 100 tons per month—France. Agency desired. Correspondence, French.

4633—Synthetic camphor—France. Agency desired.

4636—Caustic soda of 77 or 78 per cent—Spain. Purchase desired. Quotations, c.i.f. Malaga. Terms: Payment against documents. Correspondence, Spanish.

4665—Carbon blacks in quantity of 5 or 10 tons in initial order—Belgium. Purchase and agency desired. Quotations, c.i.f. Antwerp. Terms: Cash against documents.

4666—Isobutyl alcohol, bichromate of soda, phthalic anhydride, acetone, and methyl alcohol—Switzerland. Purchase desired. Quotations, c.i.f. European port. Terms: Payment on receipt of goods.

4670—Sulfur for the paper industry—Sweden. Agency desired. Quotations, c.i.f. Swedish port. Terms: Payment against documents in Swedish bank.

4679—Chemicals and paint specialties—Sweden. Purchase desired. Quotations c.i.f. Goteborg. Terms: payment against documents.

4707—Chemicals, paints, oils and varnishes—Brazil. Agency desired. Quotations c.i.f. Recife.

4722—Alcohol, colorless, 95 per cent—Turkey. Exclusive agency desired. Quotations c.i.f. Constantinople. Terms: cash against documents.

4724—Chemicals and chemical machinery—Sweden. Agency desired. Quotations c.i.f. Swedish port. Terms: payment against documents.

4733—Dental, surgical, hospital, and medical supplies, drugs and pharmaceutical specialties—India. Purchase and agency desired.

The surtax on imports by parcel post into Mexico is to be advanced to 50 per cent of the regular duties, with the corresponding surtax on exports by parcel post to be fixed at 25 per cent of the basic duties, according to a telegram from Consul General Dawson at Mexico City, received by the Department of Commerce. It is expected that these advances will go into effect on Dec. 15, 1922, applying to all parcel-post shipments entering or leaving Mexico on and after that date.

CHEMICAL PRICES RISING IN GERMANY

Quotations Advanced by Manufacturers Following Increase in Railway Rates and Upward Movement in Foreign Currencies—Potash, Sodas, and Fertilizer Materials Higher

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Hamburg, Germany, Dec. 16.—Chemicals move in sympathy with the upward tendency of foreign currencies. Prices of technical as well as of pharmaceutical chemicals advanced considerably during the last few days, but even at the highest quotations few offers came on the market. On account of the unsettled political and economic situation, owners of goods are holding their stocks and even an improvement in the German exchange will probably not prevent a further stiffening of prices.

Business on foreign account is brisk, as the goods are sold in foreign currency. Home demand is generally slack, and in view of the comparatively high quotations customers are filling immediate requirements only. The rise in coal and in railway rates on Dec. 1, the latter by 150 per cent, has been followed by further heavy advances in prices generally. In the case of potash they amount to about 58 per cent and official prices are now as follows: Marks per 1 per cent  $K_2O$  in 100 kilos:

Carnallite	with 9% to 12% $K_2O$ .....	56.11
Crude salt	with 12% to 15% $K_2O$ .....	67.38
Fertilizer salt	with 18% to 22% $K_2O$ .....	99.92
Fertilizer salt	with 28% to 32% $K_2O$ .....	124.03
Fertilizer salt	with 38% to 42% $K_2O$ .....	159.74
Potassium chloride	with more than 60% $K_2O$ .....	208.24
Potassium chloride	with 50% to 60% $K_2O$ .....	174.38
Potassium magnesia sulfate	.....	331.64
Potassium sulfate	with more than 42% $K_2O$ .....	301.09

Prices for crude salts for industrial as well as for bathing and filtering purposes are 30 per cent higher, and 72.94 marks may be charged for one per cent  $K_2O$  for carnallite and 87.59 marks for kainit and crude salts with 12 to 15 per cent  $K_2O$ . Carnallite with at least 12 per cent  $K_2O$ , for the production of magnesium-metal, is quoted at 67.38 marks per one per cent  $K_2O$  per hundred kilos with a surcharge of 245 marks per 100 kilos for sorting. Cleaned and chemically pure sulfate of potassium, and chloride of potassium with above 60 per cent  $K_2O$ , receive a surcharge of 19,400 and 15,200 marks per hundred kilos, respectively.

The trade in nitrate is exceedingly brisk. The November production of the Syndicate had been sold in advance, and the whole output from Dec. 1, 1922, till May 31, 1923, which will total about 182,000 metric tons, is yet available, with the exception of the amount to be delivered to the Entente as reparation. On account of the scarcity of railway wagons, delivery is hampered and large orders are still awaiting execution. The Syndicate is selling only the production of one month in advance on account of the unstable conditions. The present prices are as follows (Marks per one kilo of nitrate):

Sulfate of ammonia, ordinary .....	1,334.10
Sulfate of ammonia, dried and ground .....	1,366...
Muriate of ammonia .....	1,334.10
Potassium saltpeter .....	1,334.10
Nitrate of lime .....	1,187...

The potash contents are especially charged according to the current price of potassium chloride.

The following table gives some of the current prices in marks per kilo:

	Marks		Marks
Solution of sodium.....	165	Soda, calcined .....	335
Bromide of potassium.....	920	Soda, crystals .....	125
Salicylic acid .....	3,200	Aspirin, powder .....	10,500
Naphthalene .....	350	Aspirin, war packing.....	470
Potassium oxalate .....	1,000	Zinc white .....	1,400
Calcium chloride 70-75%....	79	Caustic potash .....	490
Alum, crystal powder.....	195	Caustic soda .....	480
Caffein, pure .....	31,000	Permanganate of potash....	1,350
Tartaric acid .....	3,350	Carbonate of ammonia.....	350
Sulfate of sodium, conc....	340	Vanillin .....	75,000
Sulfate of sodium cryst....	200	Potash 96-98% .....	470
		Spirit of ammonia.....	190

ENGLISH VIEW OF CONDITIONS IN U. S.

The similarity between English and American conditions appears to be general, writes F. E. Hamer, editor "The Chemical Age," of London, in a letter from New York to his paper. The finest address I have heard in America was one by Mr. Barnes, the president of the United States Chamber of Commerce, reviewing generally the present condition of American industry. Passage after passage might have been taken bodily outside of that address and if put into the mouth of our Chancellor of the Exchequer or President of the Board of Trade they would have described exactly the condition of things in England.

The primary need of settling down to work as the only real remedy, the damage caused to industry by strikes and the continual fear of strikes, the unwillingness of employers to embark on new enterprises until conditions have become reasonably stable, the irritation caused by meddlesome Government restrictions, and the demand of the trader for freedom to get on with his business—these were the things that Mr. Barnes emphasized, and they are exactly the things which British economists and business men like my chief, Sir Ernest Benn, have been continually emphasizing at home.

PERSONNEL OF THE APPRAISER'S STAFF

F. J. H. Kracke, United States Appraiser at the Port of New York, is assisted by Special Deputy Appraiser Donnelly in charge of the Seventh Division, where dye and chemical products are examined. Examiner Montgomery will attend to the actual appraisements and classifications. Mr. Montgomery is an expert in this line of merchandise, of many years' experience, and he is assisted by Examiner Wallace. Mr. Robinson, who will assist Examiners Montgomery and Wallace, has been engaged in the same character of work since 1919.

The laboratory at the New York Appraiser's Stores is in charge of Dr. Knight. Several of the larger ports have laboratories in charge of competent chemists, and also have trained examiners, but the balance of the ports of entry—some two or three hundred—have no facilities whatever for this class of work. These ports will have to depend entirely upon the Port of New York for information.

German textile mills are beginning to curtail operations, according to a report from Consul John E. Kehl. In Lauban and Langerbielau no more operatives are being employed and up to the middle of October the mills had been running full time. The large textile mills at Liegnitz are all still well occupied but the small ones are either laying off employees or running part time.

Half the world's supply of radium will come from the island of Madagascar, in the future, according to reports. The presence of that material was discovered two years ago. Last year nine tons of uranium oxide were exported and it is expected that twice that amount will be shipped out during 1922.

# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs**, **Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stock of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted

herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avoirdupois)	— .454 Kilograms
1 Kilogram	—2.20 Pounds

Style and Arrangement Copyright by DRUG & CHEMICAL MARKETS, 1922

## Chemicals

ACETANILID, tech. 150 lb bbls. D	.27	.28
100 lb kgs. ....	.28	.30
USP 200 lb bbls. ....	.35	.38
Second Hands ....	.33	.35
Acetic Anhydride, 85% 480 lb drs. D	.36	
85%, 107 lb chys. ....	.37	
90% chys. ....	.38	.38½
Acetone, CP 700 lb drs. c/l wks. D	.21	
700 lb drs. c/l wks. ....	.21½	
350 lb drs. c/l wks. ....	.21½	
Second Hands, spot. ....	.21	
Acetone Oils, light, bbls. .... gal	.85	.88
Heavy, bbls. .... gal	.90	.93
Acetophenone, CP 1 lb bot. ....	4.00	4.25
Acetophenetidin, 150 lb bbls. ....	1.85	1.95
Acetyl Chloride, 100 lb chys. ....	.35	.36
ACID 1, 2, 4, 250 lb bbls. ....	.80	
Acetic, 28%, 400 lb bbls. c/l		
wks. .... 100 lb	3.17½	
28%, c/l wks. .... 100 lb	3.42½	
56%, c/l wks. .... 100 lb	6.35	
56%, c/l wks. .... 100 lb	6.60	
70%, bbls, c/l wks. .... 100 lb	7.94	
70%, c/l wks. .... 100 lb	8.19	
80% coml. bbls. c/l wks. .... 100 lb	9.08	
80% coml. c/l wks. .... 100 lb	9.33	
80% pure bbls. c/l wks. .... 100 lb	10.30	
80% pure c/l wks. .... 100 lb	10.55	10.85
Glacial, bbls. c/l wks. .... 100 lb	12.05	
Glacial, c/l wks. .... 100 lb	12.30	
Glacial, USP chys wks. .... 100 lb	12.80	
Acetylacetic, 200 lb bbls. ....	1.00	
Second Hands ....	.90	.95
Anthranilic, ton lots drs. ....	1.10	
95-98%, 100 lb drs. ....	1.15	
99-100%, 100 lb drs. ....	1.30	
Benzole, tech. 100 lb bbls. ....	.65	
Tech. ton lots bbls. ....	.60	
USP, 100 lb bbls. ....	.75	
Boric, crys. powd. 250 lb bbls. D	.11½	.12
Keps. 100 lb ....	.12	.13½
Brownian's, 250 lb bbls. ....	1.55	
Butyric, 60% pure 5 lb bot. ....	.50	.60
Camphoric, USP VIII 1 lb bot. ....	5.50	5.60
Carbolic, USP crys. see also Phenol		
110 lb tins ....	.42	
25 lb tins ....	.44	
5 lb tins or bot. ....	.46	.47
1 lb bot. ....	.51	
Liquid, USP 1 lb bot. ....	.50	

### ACID, Carbolic—(Continued)

Crude, 25% 50 gal bbls. .... gal	.27	.30
10%, 50 gal. bbls. .... gal	.22	.23
Chloracetic,		
mono 100 lb bbls. wks. ....	.30	
DI, 150 lb chys wks. ....	1.00	
Tri, 425 lb bbls. wks. ....	2.45	
Chlorosulfonic, 1500 lb drs.		
wks. ....	.15	.16
Chromic, USP 200 lb drums. ....	.40	
85% Pure, 200 lb drums. ....	.35	
Chrysophanic, see Chrysarobin		
Cinnamic, 5 lb cans. ....	2.75	3.00
CITRIC, USP crys 230 lb bbls. D	.50	
Powd., USP 200 lb bbls. ....	.51	
Imported, crys. 112 lb kegs. ....	.48	
Single kegs ....	.48½	.49
Cleves, 250 lb bbls. ....	1.50	1.54
Cresylic, 95% dark dr. resale. gal	.90	
97-99% straw, drs. wks. .... gal	.95	
97-99% straw, drs. resale. gal	.95	
97-99% decolor. drs. wks. .... gal	.95	
Diethylbarbituric, 10 lb lots,		
1 lb bot. ....	8.50	10.50
Formic, 75% tech. 100 lb chys. ....	.16	.18
90%, 75 lb chys. incl. ....	.16	.18
Gallie, USP 150 lb bbls. ....	.70	.75
Gamma, 225 lb bbls. wks. ....	1.85	
Hb., ton lots wks. ....	1.75	
Glycero-phosphoric, 25% 1 lb b. ....	1.45	1.70
H. 350 lb bbls. single. ....	.80	
Hb., ton lots wks. ....	.75	
Hydriodic, 10% USP 5 lb bot. ....	.65	.70
Hydrobromic, 48% coml. 155 lb		
chys. wks. ....	.35	.40
48% coml. 10 chys. wks. ....	.40	
40% USP 155 lb chys. wks. ....	.45	.46
10%, USP 100 lb chys. wks. ....	.11	.13
Hydrochloric, see also Acid Muriatic		
CP, USP, 110 lb chys. ....	.07	.08
HYDROFLUORIC, 30% 400 lb bbls.		
wks. ....	.06	
30% bbls. c/l wks. ....	.06	
30% 100 lb chys. wks. ....	.07	
48% single 100 lb chys. wks. ....	.11	
48% 10 chys. wks. ....	.10	
52% 100 lb chys. wks. ....	.12	
52% 10 chys. wks. ....	.11	

### Acid, hydrofluoric—(continued)

60% 100 lb chys. wks. ....	.14	
60% 300 lb dr., wks. ....	.13	
White Acid, 100 lb chys. wks. ....	.13	
White Acid, 10 chys. wks. ....	.15	
Hydrofluosilicic, 35% 450 lb bbls.		
wks. ....	.10	.12
Hypophosphorous, USP 30% 5		
gal. demis. ....	.95	
USP, 10% 5 gal. demis. ....	.35	
LACTIC, 22% dark 500 lb bbls. ....	.04½	.05
22% light, bbls. ....	.05½	.06
44% dark, bbls. ....	.09½	.10
44% light, bbls. ....	.10½	.12
66% bbls. ....	.14	.16
80% imported, bbls. ....	.14½	.15
USP IX 100 lb chys. ....	.60	.70
USP VIII 100 lb chys. ....	.55	
Laurent's, 250 lb bbls. ....	.75	.80
Metanilic, 250 lb bbls. ....	.75	1.00
Mixed, sulfuric-nitric		
Drums, wks. .... N Unit	.07½	.08
Drums, wks. .... S Unit	.01	.01½
Tank cars, wks. .... N Unit	.07½	.08
Tank cars wks. .... S Unit	.009	.01
Molybdic, 85% pure 1 lb bot. ....	1.75	1.85
85% pure, 100 lb kegs. ....	1.30	
Mono-sulfonic P. Delta. 50 lb		
tins ....	2.30	
MURIATIC, 20° chys. c/l		
wks. .... 100 lb	1.20	1.65
Chys. c/l wks. .... 100 lb	1.10	1.50
Tank cars, wks. .... 100 lb	1.00	1.10
18°, 140 lb chys.		
c/l wks. .... 100 lb	1.00	1.10
Tank cars, wks. .... 100 lb	.90	1.00
22°, 140 lb chys.		
c/l wks. .... 100 lb	1.75	2.00
Iron, free, 20° chys.		
c/l wks. .... 100 lb	1.35	
Tank cars, wks. .... bot ton 30.00	55.00	
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthionic, tech. 250 lb bbls. ....	.60	.62
Refined, single bbls. ....	.65	
Neville & Winther's, 250 lb		
bbls. ....	1.15	1.20



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## ACID, NITRIC, 36° 135D

Chy. wks. ....100lb	5.50	: 6.00
Chy. c/l wks. ....100lb	4.50	: 5.00
38° single chy. wks. ....100lb	5.50	: 5.75
Chy., c/l wks. ....100lb	4.75	: 5.25
42° single chy. wks. ....100lb	5.50	: 6.00
Chy. c/l wks. ....100lb	5.00	: 5.50
44° single chy. wks. ....100lb	6.75	: 7.50
Chy. c/l wks. ....100lb	6.50	: 7.00
C. P. chy. single wks. ....100lb	...	: 13.00

Oralic, 325 lb bbls. wks. ....lb	...	: 13 1/4
Bbls., NY. ....lb	...	: 13 1/4
Kegs, 100 lb. ....lb	13 1/4	: 14
Imp., 560 lb cks. ....lb	13 1/4	: 14

Phenylacetic, 1 lb bot. ....lb 2.50 : 3.00

Phosphoric, 50% tech. 100 lb chy. ....lb .08 : .09

USP, 85% syrupy, 70 lb demis. ....lb .16

Phthalic, see Phthalic Anhydride

Picramic, 300 lb bbls. ....lb .65

Picric, 300 lb bbls. ....lb .30

Bbls. car lots wks. ....lb .30

Pyrogallol, crys. 5 lb cans. ....lb 1.20

Resublimed, 5 lb cans. ....lb 1.55 : 1.60

Tech. powd. 200 lb bbls. ....lb .30

Salicylic, tech. 125 lb bbls. ....lb .37 : .38

USP, 100 lb bbls. ....lb .40

Second Hands ....lb .34 : .37

Sulfanilic, 250 lb bbls. ....lb .17 : .20

## SULFURIC, 66° 175D chy.

le/l wks. ....100lb 1.10 : 1.50

Chy., c/l wks. ....100lb .95 : 1.25

1500 lb Drums, le/l wks. ....100lb ... : 1.10

Drums, c/l wks. ....100lb ... : 1.00

Tank cars, wks. ....net ton 14.00 : 16.00

60° 1500 lb Drums, le/l wks. ....100lb .70 : .90

Drums, c/l wks. ....100lb .60 : .80

## Acid Sulfuric

Tank cars, wks. ....net ton	9.00	: 11.00
C. P. 175 lb chy. ....100lb	...	: 8.00
Oleum, 20 p.e. 1500 lb drums, le/l wks. ....100lb	1.25	: 1.50
Drums, c/l wks. ....100lb	1.10	: 1.25
Tank Cars, wks. ....net ton	17.00	: 18.00
Contract cars, wks. ....ton	17.00	: 18.00
Oleum, 40° drs le/l wks. net ton	...	: 35.00
Oleum, 60° drs, le/l wks net ton	...	: 65.00

Sulfurous, USP 6% 100 lb chy. lb .05 : .06

4% 100 lb chy. ....lb .04 : .05

USP, 5 gal. demis. ....lb .06 : .08

Tannic, tech. 300 lb bbls. ....lb .40 : .50

USP, powd. 200 lb bbls. ....lb .70 : .75

USP, fluffy, 50 lb bbls. ....lb .75 : .80

Tartaric USP crys 300 lb bbls. ....lb .32

USP, powd. 300 lb bbls. ....lb .32

Imp. USP, 240 lb bbls. ....lb .30 1/2 : .31

Powd. 240 lb bbls. ....lb .30 1/2 : .31

Tobias, 250 lb bbls. ....lb 1.30 : 1.40

Tungstic, 100 lb kegs. ....lb ... : 1.00

Aconitine Alk. crys. 1 oz. vis. oz. ....lb .30.00

Amorphous, 1 oz. vis. ....oz. ....lb 20.00

Adeps Lanae, hydrous 350 lb bbls. ....lb .23 : .24

Anhydrous, 350 lb bbls. ....lb .25 : .26

Albumen, Egg, edible. ....lb ... : .80

Technical, see Dyers Sundries

## ALCOHOL, USP 190 pf. 50 gal. bbls. ....gal 4.70 : 4.75

Second Hands, bbls. USP 190 pf. ....gal 4.60 : 4.65

Export, USP 190 pf. ....gal .37 : .45

Cologne Spirit, 50 gal. bbls. gal 4.75 : 4.80

Wood, 95%, 50 gal. bbls. ....gal 1.20 : 1.22

97%, 50 gal. bbls. ....gal 1.23 : 1.24

Pure, meth. 50 gal. drums. gal 1.30 : 1.32

Acetone free, 50 gal. drums. gal 1.35 : 1.40

Alcohols, also in 50 gal. drums, extra and returnable.

Amyl, see Oil Fuel

## Alcohol—(continued)

Butyl, 50 gal. drums. ....lb	.20	: .22
Cinnamic, liquid, 1 lb bot. ....lb	15.00	: 16.00
Crystallizable ....lb	23.00	: 24.00
Isobutyl, crude 50 gal. drums. gal	...	: 4.40
Refined, 10 lb can. ....lb	...	: .75
Isopropyl, crude 50 gal. drs. gal	...	: 2.25
Refined, 50 gal. drs. ....gal	4.00	: 4.50
Ref'd, 91%, drs. ....gal	...	: 3.50

Methyl, see Alcohol, Wood

Phenylethyl, see Phenylethylalcohol

Propyl, nml. crd 50 gal. drms. gal ... : 4.40

Refined, 10 lb can. ....lb ... : .75

## Denatured

No. 1 Complete Denat. 188 Proof 50 gal. bbls. incl. ....gal .45 : .47

50 gal. drums, extra. ....gal .40 : .42

No. 1 Special Denat. 190 Proof 50 gal. bbls. incl. ....gal .41 : .43

50 gal. drums, extra. ....gal .36 : .38

No. 5 Complete Denat. 188 Proof 50 gal. bbls. incl. ....gal .40 : .42

50 gal. drums, extra. ....gal .35 : .37

No. 6 Complete Denat. 188 Proof 50 gal. bbls. incl. ....gal .39 : .41

50 gal. drums, extra. ....gal .34 : .36

In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue. For prices on specially denatured alcohols not listed above, consult any of the alcohol producers.



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## Chemicals

Alolin, USP 100 lb cases..... lb	.84	: .90
Alpha-Naphthol, tech 300 lb bbls. lb	...	: 1.05
Ton lots, bbls. wks..... lb	...	: 1.00
Refined, 300 lb bbls..... lb	...	: 1.10
Alpha-Naphthylamine, 350 lb bbls. lb	...	: .29
Ton lots, bbls. wks..... lb	...	: .28
<b>ALUM, Ammonia, lump 400 lb bbls.</b>		
wks. .... 100 lb	3.50	: 3.85
Ground, 400 lb bbls. wks. 100 lb	3.60	: 3.75
Powd., 380 lb bbls. wks. 100 lb	3.90	: 4.00
Chrome, 500 lb cks wks. 100 lb	5.00	: 6.00
Potash, lump 400 lb bbls.		
wks. .... 100 lb	...	: 4.50
Bbls. c/l wks. .... 100 lb	...	: 4.25
Cont. bbls c/l wks. .... 100 lb	...	: 4.25
Imp. 650 lb cases sp. 100 lb	3.25	: 3.50
Ground, 400 lb bbls. wks. 100 lb	4.35	: 4.60
Imp. 650 lb cases. .... 100 lb	3.25	: 3.50
Powd., 380 lb bbls. wks. 100 lb	4.50	: 4.75
Chrome, 700 lb cks wks. 100 lb	5.50	: 6.00
Soda, grd. 400 lb bbls. wks. 100 lb	...	: 4.00
Bbls. c/l wks. .... 100 lb	...	: 3.50
Aluminum, metal, c/l NY. .... 100 lb	22.50	: 23.00
Chloride, anhyd. 275 lb drs. lb	.20	: .22
30% sol. 120 lb clys. .... lb	.03 1/4	: .04
Hydrate, light 90 lb bbls. .... lb	.17	: .18
<b>SULFATE, Iron-free bags c/l</b>		
wks. .... 100 lb	2.50	: 2.65
Imported, spot .... 100 lb	2.50	: 2.62 1/2
Comm'l., 1/2 iron, bags. c/l		
wks. .... East 100 lb	1.45	: 1.50

<b>Aluminum Sulfate— (continued)</b>		
Cont. bags. c/l wks. E. 100 lb	...	: 1.40
Bags, c/l wks. W. .... 100 lb	...	: 1.35
Bbls., c/l wks. East. 100 lb	...	: 1.60
Bulk, c/l cont. wks. E. 100 lb	...	: 1.35
Amidol, (see Diaminophenol)		
Amidopyrine, 10 lb boxes..... lb	4.50	: 4.75
1 lb cartons, 10 lb ..... lb	...	: 5.16
Aminoazobenzene, 110 lb kgs..... lb	...	: 1.15
<b>AMMONIA anhyd. 100 lb cyl. lb</b>	...	: .30
Water, 28° 800 lb drs. wks. lb	...	: .07 1/2
Drs. c/l wks. .... lb	.07	: .07 1/2
Imp., 800 lb drs incl spot. lb	...	: .06
26°, 100 lb clys. lb/l wks. lb	...	: .08 1/2
Clys. c/l wks. .... lb	...	: .08 1/2
20°, 800 lb drs. lb/l wks. lb	...	: .06
Clys., lb/l wks. .... lb	...	: .07 1/2
18°, 800 lb drs. lb/l wks. lb	...	: .05 1/2
Clys., lb/l wks. .... lb	...	: .07 1/2
16°, 800 lb drs. lb/l wks. lb	...	: .04
Clys., lb/l wks. .... lb	...	: .05
Ammonium Acetate, 100 lb kgs. lb	.35	: .36
Benzoate, USP 1 lb bot. .... lb	.85	: .90
Bifluoride, 300 lb bbls. .... lb	.22	: .23
100 lb kgs. .... lb	.23	: .24
Bromide, 50 lb boxes..... lb	...	: .33
Imported, 112 lb boxes..... lb	.18	: .20
Carb., tech. 560 lb cases..... lb	...	: .09 1/2
Powd., tech. 385 lb bbls. .... lb	...	: .10%
USP, lump, 100 lb kgs. .... lb	.07	: .08
Powd., 100 lb kgs. .... lb	.09	: .10
Chloride, Domestic		
White gran. 250 lb bbls wks lb	...	: .07%
Bbls., c/l wks. .... lb	...	: .07 1/2
Gray 250 lb bbls. wks. .... lb	.07%	: .07%
Bbls. c/l wks. .... lb	.07 1/2	: .07%

<b>Ammonium Chloride— (continued)</b>		
Imp., wh. 600 lb casks spot. lb	.08 1/4	: .07
Gray, 600 lb casks spot. lb	.07%	: .08 1/4
Lump, 500 lb casks spot. .... lb	...	: .15
Ichthyolate, as to brand. .... lb	.75	: 4.00
Iodide, USP 25 lb jars. .... lb	4.85	: 4.90
Lactate, 500 lb bbls. .... lb	.15	: .16
Nitrate, tech. crys. 225 lb bbls. lb	...	: ...
OP gran. 100 lb kgs. .... lb	.20	: .21
Oxalate, pure, 100 lb kgs. .... lb	.50	: .57
Persulfate, 112 lb cases. .... lb	.55	: .60
Phosphate, dibasic 200 lb bbls. lb	.54	: .60
Tech., powd. 325 lb bbls. .... lb	.15	: .17
Salicylate, USP 100 lb kgs. .... lb	.63	: .65
Sulfate, bulk c/l wks. .... 100 lb	...	: 3.20
200 lb single bags c/l wks. 100 lb	...	: 3.30
200 lb double bags f.s.a. 100 lb	...	: 3.55
Sulfocyanide, tech. 100 lb kgs. lb	.80	: .82
CP, 25 lb jars. .... lb	.60	: .65
Amyl Acetate, tech. 50 gal. drs. gal	2.35	: 2.50
Pure, 5 gal. cans. .... gal	5.00	: 6.00
Alcohol, see Fuel Oil		
Butyrate, 1 lb bot. .... lb	2.00	: 2.10
Formate, 1 lb bot. .... lb	1.75	: 2.00
Salicylate, 100 lb clys. .... lb	1.30	: 1.50
Anethol, 2 lb bot. .... lb	1.60	: 2.00
<b>ANILINE OIL, 900 lb drs. 5 drap. lb</b>	...	: .17
Aniline Salt, 200 lb bbls. .... lb	.24	: .25
Anisic Aldehyde, 1 lb bot. .... lb	4.00	: 4.50
<b>Anthracene, 40-45% 600 lb casks</b>		
wks. .... lb	.12	: .17
80-85%, 600 lb casks wks. .... lb	.75	: 1.00
Anthraquinone, subl 125 lb bbls. lb	1.30	: 1.35
30% paste 350 lb bbls. .... lb	.75	: .80
Antimony metal, slabs ton lots 100 lb	6.40	: 6.50
Needle Powd., 100 lb cases. .... lb	.06	: .07

TRADE

DOW

MARK

## CARBON TETRACHLORIDE

Last year the use of Carbon Tetrachloride as a fumigant against wheat weevil was introduced. This material is particularly desirable as it is absolutely non-inflammable and can be used in sections where Underwriters rules will not permit the use of Carbon Bisulphide.

Can be supplied in 5- 10- and 55-gallon drums.

THE DOW

Midland, Mich.



CHEMICAL CO.

90 West St., New York



## Chemicals

<b>ANTIMONY CHLORIDE, anhyd 1000 lb</b>			<b>Bay Rum, Porto Rican, genuine</b>			<b>Beta-Naphthylamine, tech. 200 lb.</b>		
dra. ....	D	.35	Denat. salicy acid or tartar emetic			bbis. ....	D	.95 : 1.00
50 lb crocks .....	D	.45 : .50	45 gal. bbis. ....	gal	3.10 : 3.25	Sublimed, 200 lb bbis. ....	D	1.50
Sol'n 130 lb carbons .....	D	.12 : .14	Denat. quinone sulf. 45 gal.			Bichloride Mercury, see Mercury Bichloride		
Oxide, 500 lb bbis. ....	D	.06 1/4 : .06 1/2	bbis. ....	gal	3.40 : 3.50	BISMUTH metal, 150 lb cases. .	D	2.65 : 2.75
Salt, dom. 500 lb bbis. ....	D	.24	Domestic synthetic, 50 gal.			Ammon. Citrate, USP 5 lb bxs. .	D	5.45
Imp., c.i.f. NY. ....	D	.18 : .19	bbis. ....	gal	1.25 : 1.35	Betanaphtholate, 5 lb bxs. ....	D	3.10
Sulfide, golden 500 lb bbis. .	D	.19	Benzaldehyde, tech. 945 lb dra.			Citrate, USP 5 lb bxs. ....	D	2.75
336 lb kegs .....	D	.17	wks. ....	lb	.60 : .65	Nitrate, 25 lb jars. ....	D	1.70
Crimson, 500 lb bbis. ....	D	.38	USP, 25 lb cans. ....	lb	1.40 : 1.50	Oxychloride, 250 bbis. ....	D	3.12
336 lb kegs .....	D	.36	FFC, 25 lb cans. ....	lb	1.70 : 1.80	Phenolsulfonate, 5 lb cans. ....	D	2.90
Red, 500 lb bbis. ....	D	.43	<b>BENZENE, 90% 8000 gal. tanks</b>			Salicylate, 250 bbis. ....	D	1.85
336 lb kegs .....	D	.40	wks. ....	gal	.27	Subbenzoate, 5 lb boxes. ....	D	3.08
<b>Tartrolactate, 500 lb bbis. ....</b>	D	.45	110 gal. dra. wks. ....	gal	.32	Subcarbonate, USP 250 bbis. .	D	3.00
Antipyrine, USP, 100 lb cases. .	D	2.30 : 2.40	CP Tanks, wks. ....	gal	.30	X-Ray diag. 1 lb bot. ....	D	3.35
Apomorphine Hydrchloride, 1/4 oz. vial. .	oz	16.65	110 gal. dra. wks. ....	gal	.35	Subgallate, USP 175 bbis. ....	D	2.51
Arecoline Hydrchloride, 1 oz. vial. .	oz	12.00	Benzidine Base, dry 250 lb bbis. .	D	.37	Subiodide, 5 lb lots. ....	D	4.43
Argols, red powd. 350 lb bbis. .	D	.07 : .07 1/2	10 bbl. lots. ....	D	.85	Subnitrate, USP 250 bbis. ....	D	2.85
Arsenic, metal 220 lb kegs. ....	D	.23 : .24	Benzidine Sulfate, paste 350 lb			Second Hands, bbis. or less. .	D	2.50
Red, 224 lb kegs cases. ....	D	.13 : .13 1/4	bbis. ....	D	.70 : .72	Conca, 1 lb bot. ....	D	3.65
White, 550 lb bbis. c/l NY. .	D	.15 1/2 : .15 3/4	<b>Benzol, see Benzene</b>			Subsalicylate, USP 175 bbis. .	D	2.78
<b>Aspirin, see Acid Acetylsalicylic</b>			Benzonaphthol, 5 lb boxes. ....	D	2.00 : 2.10	Tannate 1 lb bot. ....	D	2.50
Atropine Alk. USP 1 oz vial. ....	oz	10.50	Benzoyl Chloride, 500 lb dra. ....	D	1.00	Bismuth Preparations quoted		
Sulfate, 5 oz. in 1 oz. vials. .	oz	4.50	Benzyl Acetate, 100 lb chys. ....	D	1.40 : 1.50	above on basis 25 lb lots.		
Single ounce .....	oz	4.60	Alcohol, 5 lb bot. ....	D	1.25 : 1.50	Smaller lots at an advance.		
<b>BARIUM BINOXIDE, see Barium dioxide</b>			Benzoate, 5 lb bot. ....	D	1.90 : 2.00	<b>Blanc Fixe, dry 400 lb bbis. wks. ton</b>	80.00 : 85.00	
Carbonate, precip. 800 lb bbis.			Medicinal FFC .....	D	2.10 : 2.20	Imported, bbis. ....	ton	...
wks. ....	ton	75.00 : 85.00	Chloride, 95% tech. 925 lb dra. .	D	.20 : .22	<b>Paste, 650 lb bbis. ....</b>	ton	40.00
Imports, bbis. spot. ....	ton	75.00	100 lb chys. ....	D	.25	<b>BLEACHING POWDER, 700 lb dra.</b>		
Precip., 200 lb bgs, wks. ton	ton	75.00	Redistill. 100 lb chys. ....	D	.35	c/l wks. ....	100 lb	1.90 : 2.00
Chloride, 800 lb bbis. wks. ton	ton	95.00 : 100.00	Formate, 1 lb bot. ....	D	2.50 : 3.00	Drums 1c/1 ex-warehouse. .	100 lb	2.15 : 2.40
200 lb bgs. wks. ....	ton	95.00 : 98.00	Berberine Hydrchloride, 1 lb bot. .	D	22.00	Contract, c/l wks. ....	100 lb	1.90 : 2.00
Import, bbis. spot. ....	ton	95.00 : 98.00	Sulfate, acid or neut. 1 lb bot. .	D	22.00	<b>F. a. s. c/l. ....</b>	100 lb	...
Dioxide, 780 lb dra. ....	D	.18 : .20	<b>BETA-NAPHTHOL, 350 lb bbis. wks. .</b>	D	.25	Imported, spot .....	100 lb	...
Import, 500 lb dra. ....	D	.14 : .16	Ton lots, wks. ....	D	.23	<b>Blue Ointment, see Mercury</b>		
Hydrate, 500 lb bbis. ....	D	.05 : .06	Sublimed .....	D	.50 : .55	Moss, see Mercury		
Iodide, 5 lb bot. ....	D	5.10				Bone Ash, 100 lb kegs. ....	D	.08
Nitrate, 700 lb casks. ....	D	.09 1/2 : .10				Black, 200 lb bbis. ....	D	.09 : .08
Import, casks .....	D	.08 : .08 1/2						
Sulfocyanide 400 lb bbis. ....	D	.35						
Barytes, floatd 350 lb bbis. ....	ton	33.50 : 35.00						

# BENZIDINE BASE

## ALPHA NAPHTHOL

## BETA NAPHTHOL

Dyestuffs and intermediates manufactured by

CONSOLIDATED COLOR &  
CHEMICAL CO.

CENTRAL DYESTUFF &  
CHEMICAL CO.

WILLIAMSBURG CHEMICAL CO.

and other American manufacturers, distributed by

**H. A. METZ & CO. Inc.**  
One Twenty-Two Hudson Street New York City.  
Boston Philadelphia Providence  
Chicago Charlotte San Francisco

## Chemicals

Borax, USP cryst. 400 lb bbls...	.05 1/2	: .06
Powdered, USP 300 lb bbls...	.05 1/2	: .06
Kegs, USP 100-150 lb...	.06	: .06 1/2
Bordeaux Mixture, powd. bbls...	.13	: .16
Paste, bbls...	.08	: .10
Borneol, 1 lb bot...	...	: 3.50
Bromide, see potass. bromide, etc.		
Bromine, bot. in 60 lb cs. wks...	...	: .20
Bromobenzene, 600 lb drums...	.40	: .42
Bromoform, USP 5 lb bot 50 lb cs...	...	: 1.30
Bromistrol, 25 lb kegs...	4.00	: 4.25
Brucine Sulfate, 100 ozs...	...	: .20
Butter of Antimony, see Antimony Chloride		
CADMIUM, metal 100 lb bxs...	1.15	: 1.25
Bromide, 50 lb cases jars...	...	: 1.10
Iodide, 10 lb bot...	...	: 4.20
Sulfide, cs...	1.50	: 1.60
CAFFEINE ALK. USP 5 lb cans...	3.75	: 4.25
Second Hands	...	: 3.75
Hydrochloride, 1 lb bot...	7.12	: 7.32
Sulfate, 1 lb bot...	...	: 5.52
Citrate, 25 lb cans...	3.00	: 3.25
Hydrobromide, 1 lb bot...	...	: 4.75
CALCIUM Acetate, 150 lb bgs, c/l wks...	...	: 3.50
Arsenate, 100 lb bbls. c/l wks...	.16	: .19
Bbls. 1c/l wks...	.18	: .20
Bromide, 100 lb cs...	...	: .45
Calcium Carbide, 220 lb dr c/wks...	...	: .04 1/2
Drums 1c/l wks...	...	: .05
Carbonate, tech. 100 lb bags	1.00	: 1.10
c/l 100 lb...	...	: .04
USP, precip. 175 lb drs...	...	: 24.50
Chloride, solid, 650 lb drs. c/l f o b NY...	...	: 30.50

Calcium Chloride—(continued)		
Flake 330 lb drs. c/l drs. fob NY	...	: 30.50
Imp., solid 600 lb drs. spot. ton	...	: 20.50
Anhyd., 350 lb drs. fob NY...	.12	: .13
Glycerophosphate, 250 lb bbls...	1.55	: 1.60
Hydrate, (see Lime)		
Iodide, 5 lb bot...	...	: 4.20
Lactate, tech. 500 lb bbls...	...	: .13 1/2
Nitrate, 220 lb bbls. c/l NY...	...	: 40.00
Phosphate, precip. 350 lb bbls...	.10	: .12
Phosphate, precip. tribasic 350 lb bbls...	.12	: .13
Phosphate, mono...	.06 1/2	: .07 1/2
Sulfocarbonate, 100 lb kegs...	.61	: .63
Calomel, see Mercury		
CAMPHOR, Amer. ref. 250 lb bbls...	...	: .96
2 1/2 lb slabs, 100 lb cs...	...	: .97 1/2
1 lb cakes, 100 lb cs...	...	: .97 1/2
1 oz. tab., 1 lb ctns...	...	: 1.01 1/2
100 lb cs...	...	: 1.02
1/2 oz. tab., 1 lb ctns...	...	: 1.02
100 lb cs...	.92	: .93
Jap. ref. 2 1/2 lb slabs, 100 lb cs...	...	: 1.02
1 oz. tab. 100 lb cs. 1 lb tins...	...	: 1.04
1/2 oz. tab. 100 lb cs. 1 lb tins...	...	: 1.04
Chinese ref. 2 1/2 lb slabs 100 lb cs...	...	: .90
Crude, 100 lb cs...	.72	: .75
Campbor, Monobrom. 100 lb cs...	1.90	: 1.95
Caramel, 50 gal. bbls...	.57 1/2	: .62
Carbazol, 250 lb bbls...	.75	: .80
Carbon Bisulfide, 500 lb dr., 1c/1 NY...	...	: .06 1/2
c/l drums, NY...	...	: .05 1/2
Carbon Black, 12 1/2 lb bags, 150-225 lb cases...	.18	: .35

Carbon Tetrachloride, 1400 lb drs. NY	...	: .10 1/2
Drums, c/l NY...	.09	: .09 1/2
700 lb drs. single NY...	...	: .10 1/2
Carmine, No. 40 5 lb boxes...	4.50	: 4.60
Casein, edib. 100 lb keg...	.45	: .50
Technical, 200 lb bbls...	.15	: .18
Castoreum, 1 lb boxes...	4.00	: 4.50
Castor Oil, USP 50 gal. bbl...	...	: .13
Cases, 80 lb 2 tins...	...	: .14
Techn., see Fixed Oils		
Caustic Potash, see potash, caustic		
Soda, see soda, caustic		
Cerium Oxalate, USP 100 lb kgs...	.48	: .53
Chalk, drop 175 lb bbls...	...	: .03 1/2
Precip. light 175 lb bbls...	.04 1/2	: .05
Precip. heavy 500 lb cks...	.03 1/2	: .04
Bulk	5.00	: 8.00
Charcoal, Bone, see bone black		
Wood, powd. 100 lb bbl...	.04	: .05
Willow, powd. 100 lb bbl...	.06	: .07
China Clay, imp...	16.00	: 22.50
Domestic, fob Mine...	15.00	: 17.50
Chloral Hydrate, USP 100 lb drs...	.75	: .80
25 lb jars...	.76	: .81
Chinoidin, 170 lb cases...	.65	: .75
Chlorhydrin, Ethylene anhyd, 600 lb drs...	1.50	: 1.60
40% soln. 100 lb clys...	.30	: .35
CHLORINE, Liquid 2000 lb cyl. c/l wks...	.05 1/2	: .05 1/2
Tank car lots wks...	.05 1/2	: .05 1/2
100 lb cyl 1c/l wks...	.06 1/2	: .07
Chlorobenzene, mono. 1000 lb drs. wks...	.10	: .11
Drs. c/l wks...	...	: .09
Tank car lots wks...	...	: .08
CHLOROFORM, USP 50 lb drs...	...	: .35
Second Hands, 650 lb drs...	.32	: .34
Technical, 650 lb drums...	.33	: .35

## R. W. Greeff &amp; Co.

INCORPORATED

78 FRONT ST., NEW YORK, N. Y.

Offer as Sole Selling Agents

## Phthalic Anhydride

manufactured by

THE SELDEN CO.

Pittsburgh, Pa.

Acetone Acetone Oil  
Methyl Ethyl Ketone

manufactured by

NORWICH CHEM. MFG. CO.

East Smethport, Pa.

Oxalic Acid  
Formic Acid 90%

manufactured by

FABRIEK VAN CHEMISCHE  
PRODUCTEN

Schiedam, Holland

## Liquid Chlorine

## A SINGLE PURPOSE-SERVICE

There are those among the consumers of Liquid Chlorine who insist upon buying only from the producer whose organization and facilities are equal to any reasonable demands made of them, and once having found such a source of supply are loyal to it.

It is to that element of discerning buyers that we have always catered.

That they have not erred in their judgment, and that the E. B. G. reputation for Better Service has been sustained for 14 years is evidenced by the number and character of our customers.

Are you yet one of them?

## Electro Bleaching Gas Co.

Pioneer Manufacturers of Liquid Chlorine

Plant NIAGARA FALLS, N. Y.

Main office 18 E. 41st Street, New York

Chicago office 11 So. La Salle St.

EBG

## Chemicals

Chromium Acetate, 20° soln. 400 lb bbls. ....	.08	: .10	COD LIVER OIL, Norwegian, 30 gal. bbls. ....	22.50	: 23.50	Cyanamide, bulk c/l wks. Amm unit ...	: 2.35	
Fluoride, Pwd. 400 lb bbls. ....	...	.50	Newfoundland, 30 gal. bbls. bbl ...	...	: ...	DIAMINOPHENOL, 100 lb kegs. ....	: 3.75	
Soln. 400 lb bbls. ....	...	...	Colchicine alk., USP 1 oz. vial. oz ...	...	: 30.00	Dianisidine, 100 lb kegs. ....	4.50 : 4.60	
Sulfate, 400 lb bbls. ....	.07	: .09	Salicylate, 1 oz. vial. ....	...	: 45.00	Dichlorobenzene, 1000 lb drs. ....	.06 : .07 1/2	
Chrysarobin, USP 5 lb cans. ....	2.10	: 2.25	Collection, USP 30 lb drums. ....	.22	: .23	Diethylaniline, 850 lb drs. ....	.60 : .65	
Cinchonidin alk., pwd. 100 oz. tins. ....	...	.70	Flexible, USP 30 lb drums. ....	.27	: .28	Diethyl Phthalate, 25 lb cans. ....	.85 : .90	
Crystal ....	...	.75	COPPER, metal electrolytic c/l			Diethyl Sulfate tech. 50 gal. drs. ....	.40 : .45	
Sulfate, 100 oz. tins. ....	.49 1/2	: .50	NY ....	14.62 1/2	: 14.75	CP drums ....	.50 : .55	
Cinchonine, alk., pwd. 100 oz. tins. ....	...	.38	Lake, c/l NY. ....	14.62 1/2	: 14.75	Digitalin, Pure, 1 oz. vial. ....	7.75 : 8.25	
Crystal ....	...	.43	Casting, c/l NY. ....	14.25	: 14.50	Dimethylaniline, 840 lb drs. wks. ....	.39 : .41	
Sulfate, 100 oz. tins. ....	...	.35	Carbonate, 400 lb bbls. ....	...	: .19	Dimethylsulfate, 110 lb drs. ....	... : .50	
Cinnamic Alcohol, see Alcohol Cinnamic			Cyanide, 100 lb drs. ....	.58	: .60	Dinitrobenzene, 400 lb bbls. ....	.19 : .20	
Cinnamic Aldehyde, 1 lb bot. ....	3.75	: 4.00	Oxide, 1000 lb bbls. ....	.15 1/2	: .16	Dinitrochlorobenzene, 400 lb bbls. ....	.19 : .20 1/2	
Citral, 25 lb cans. ....	2.80	: 3.25	Carlots, bbls. ....	.15	: .15 1/2	Dinitronaphthalene, 350 lb bbls. ....	.30 : .32	
Citrine Ointment, see Mercury			Sub-Acetate, verd. 440 lb bbls. ....	.35	: .37	Dinitrophenol, 350 lb bbls. ....	.33 : .35	
Citronellal, 1 lb bot. ....	2.00	: 2.25	SULFATE, crys. 450 lb bbls. 1c/l			Dinitrotoluene, 300 lb bbls. ....	.20 : .22	
Citronellol, 1 lb bot. ....	8.00	: 12.00	spot ....	6.00	: 6.25	Dionin, see Morphine, Ethyl		
Cobalt metal, 100 lb kegs. ....	3.00	: 3.25	Carlots, bbls, spot. ....	...	: 6.00	Diphenylamine, 250 lb bbls. ....	.52 : .54	
Cobalt Oxide, 500 lb bbls. ....	...	2.10	Powdered, 350 lb bbls. 1c/l			Diphenylsulfide, 500 lb drums. ....	.85 : .90	
10 lb tins 200 lb cases. ....	...	2.35	spot ....	7.25	: 7.50	Dover's Powder, USP 5 lb tins. ....	... : 2.20	
COCAINE alk., USP. 1 oz. vial. oz	...	11.00	Carlots, bbls, spot. ....	...	7.25	Duboisine Sulfate, 1 oz. vial. ....	... : 60.00	
Hydrochloride, USP—1 oz. vials,			Copperas, bulk c/l wks. ....	18.00	: 21.00	EARTH, Diatomaceous, see Kieselguhr		
25 ozs. ....	...	7.07	400 lb bbls. c/l wks. ....	...	25.00	Emetine, alk., 15 gr. vls. ....	... : 1.65	
In 1/4 oz. vials. ....	...	7.50	200 lb bbs. c/l wks. ....	...	23.00	Hydchlide, USP 1 oz. vial. ....	... : 19.00	
In crystals, granular, powder,			Powdered, bbls. ....	3.45	: 3.75	15 gr. vials. ....	.75 : .80	
or flaky crystals as desired.			Corn Syrup, 42 deg. 50 gal.			EPSOM SALT, tech. 300 lb bbls.		
Cocoa Butter, bulk, 200 lb bales. lb	...	.33	bbls. ....	2.77	: 3.02	NY ....	...	2.25
Fingers, cakes, etc. 12 lb bxs. ....	.36	: .37	43 deg. 50 gal. bbls. ....	2.82	: 3.07	Bbls. c/l NY. ....	...	2.10
CODEIN alk., 5 oz. cans 10 oz			Corrosive Sublimata, see Mercury Bichloride	.40	: .42	100 lb bbs. c/l NY. ....	...	1.85
lots ....	...	7.30	Coumarin, 25 lb tins. ....	4.00	: 4.25	Imp., 220 lb bbs. c/l		
Hydrobromide, 10 ozs. ....	...	5.85	CREAM TARTAR, USP 300 lb			NY ....	1.10	: 1.25
Hydrochloride, 10 ozs. ....	...	6.55	bbls. ....	...	.20 1/2	USP, 300 lb bbls, 10 bbls. ....	2.75	: 2.90
Nitrate, 10 ozs. ....	...	6.55	Imp. powd. USP, 224 bbls. ....	.24 1/2	: .25	Carlots, bbls. ....	2.25	: 2.50
Phosphate, 10 ozs. ....	...	5.50	Creosote, USP, 42 lb chys. ....	.45	: .50	Imported, 300 lb bbls. ....	2.25	: 2.50
Salicylate, 10 ozs. ....	...	5.50	Creosote Oil, 50 gal. drs. ....	.20	: .22	Ergotin, Bonjean, 1 lb jars. ....	9.50	: 10.00
Sulfate, 10 ozs. ....	...	5.85	Carbonate, 1 lb bot. 25 lb ....	1.60	: 1.70	Eserine alk., 1 oz. vial. ....	... : 30.00	
Small Sizes, 1/4 oz. vials, 50c extra,			Cresol, USP, 400 lb bbls. ....	.25	: .27	Salicylate, USP 1 oz. vial. ....	... : 25.00	
1/4 oz. 25c extra, singles 7c extra						Sulfate, USP VIII, 1 oz. vial. oz	... : 20.00	
per oz.—25 oz. lots, 10c oz. cheaper								
than above. Less than 10 ozs. 15c oz.								
higher than above								

ALPRO

# ACETATES

ETHYL : AMYL : BUTYL

The Miner Edgar Company  
 Rail and Water Facilities  
 110 William Street  
 New York



Chemicals

2.35  
3.75  
4.40  
0.07 1/2  
.05  
.90  
.45  
.35  
8.25  
.41  
.50  
.20  
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ETHER, USP 55lb drums.....lb	.13	: .15
Anaesthesia, 55lb drums.....lb	...	: .16
USP, 1880 55lb drums.....lb	...	: .38
Washed, 55lb drums.....lb	...	: .30
Moter, 1lb cans.....lb	.26	: .27
Ether, Nitrous, 1lb bot.....lb	.92	: .95
Ethyl Benzyl Aniline, 300lb drs.....lb	...	: 1.30
Ethyl Acetate, 99% 50 gal. drs.gal	.95	: 1.05
85-90% Ester, 50 gal. drs.gal	...	: .75
Carlots, drums.....gal	...	: .72
Tank Cars.....gal	...	: .70
Pure, 5lb bot.....gal	3.25	: 3.50
Benzoate, 5lb bot.....lb	1.85	: 2.00
Bromide 115lb drs.....lb	...	: .40
Butyrate, 5lb bot.....lb	2.00	: 2.25
Methyl Ketone, 50 gal. drums.....lb	.19	: .20
Morphine, see Morphine, Ethyl		
Chloride, 15lb cpl.....lb	...	: .50
Cinnamate, 1lb bot.....lb	5.00	: 5.50
Formate, 5lb bot.....lb	1.00	: 1.10
Valerate, 5lb bot.....lb	4.50	: 4.75
Ethylene Bromide, 600lb drs.....lb	...	: .60
Glycol.....lb	1.00	: 1.25
Eucalyptol, 25lb cans.....lb	.80	: .85
Eugenol, 25lb cans.....lb	3.25	: 3.50
Feldspar, bulk.....ton	20.00	: 25.00
FERRIC CHLORIDE, tech. crys.		
475lb bbls.....lb	...	: .10
Imported.....lb	...	: .07
USP, crys. 100lb kegs.....lb	...	: .10
Imported.....lb	...	: .09
Tech. Sol'n 40° 140lb clys.....lb	...	: .06 1/2
48°, 140lb clys.....lb	...	: .08
USP Sol'n 125lb clys.....lb	...	: .06 1/2
Ferrous Chloride, crys. tech.		
475lb bbls.....lb	.08	: .08 1/2
Ferrous Sulfide, 1000lb bbls.....lb	2.50	: 3.00
Flake White, see lead, white		

Fluorspar, 95% 220lb bgs. ex		
dock.....ton	...	: 25.00
96% bgs.....ton	...	: 33.50
98% bgs.....ton	...	: 35.00
FORMALDEHYDE, USP 400lb bbls.		
c/l wks.....lb	...	: .16
Carboys, 100lb lc/l wks.....lb	...	: .16 1/2
Bbls. 400lb lc/l wks.....lb	...	: .16 1/2
Second Hands, bbls., clys.....lb	.14 1/2	: .16
Fuller's Earth, 200lb bgs. c/l		
mines.....ton	15.00	: 17.00
Imported, 230lb bags NY.....ton	35.00	: 40.00
Fusel Oil, refined, 100 gal. drs.gal	8.00	: 3.50
Crude, 100 gal. drs.gal	...	: 2.00
G. SALT, paste 350lb bbls. basis		
100%.....lb	.65	: .70
Gelatin, USP silver bbl. 100lb cs. lb	.85	: .90
Gold Label, 100lb cases.....lb	...	: .
Technical, 100lb cs.....lb	.60	: .65
Geranol, 50lb cans.....lb	2.75	: 3.50
Geranyl Acetate, 1lb bot.....lb	5.75	: 6.00
GLAUBER'S SALT, tech. 200lb bags		
c/l wks.....100lb	1.10	: 1.25
350lb bbls. c/l wks.....100lb	1.25	: 1.40
Ebls. lc/l wks.....100lb	1.50	: 1.75
Imported, bbls. spot.....lb	1.00	: 1.10
USP, 300lb bbls. Imp. sp. 100lb	...	: 1.25
USP, 300lb bbls. dom. sp. 100lb	...	: 1.75
USP, 300lb bbls. c/l wks. 100lb	...	: 1.40
Glucose, (Grape Sugar) dry, 100		
bags, c/l NY.....100lb	3.09	: 3.19
Syrup, Drs. & bbls. c/l NY 100lb	2.77	: 3.02
lc/l NY.....100lb	...	: 3.12
GLUE, pure white, bbls.....lb	.30	: .35
Medium white, bbls.....lb	.25	: .30
French, bbls.....lb	.18	: .25
High Grade, bbls.....lb	.35	: .40
Rone, regular, bbls.....lb	.10	: .12
Fish, bbls. ....gal	1.50	: 1.75

GLYCERIN, C. P. 550lb drums.....lb	...	: .18
Cans, 50lb.....lb	...	: .19 1/2
Dynamite, 1000lb drs.....lb	...	: .18
Saponification, tanks.....lb	.12	: .12 1/2
Soap, Lye, tanks.....lb	.10 1/2	: .11
Goa Powder, see chrysarolin		
Graphite, crude 220lb bags.....ton	15.00	: 35.00
Flake, 500lb bbls.....lb	.06	: .10
Ground, lump, bbls.....lb	.04	: .05
Guaiacol liquid, USP 25lb cans.....lb	2.50	: 2.60
Benzoate, 1lb bot.....lb	...	: 18.00
Carbonate, 5lb boxes.....lb	4.25	: 4.50
HAARLEM OIL, Dom. 6 gr. cs. gross	...	: 3.50
Imported, 6 gr. cases.....gross	5.25	: 5.35
Heliotropic, 10lb bot.....lb	2.50	: 2.75
Hexamethylenetetramine, USP		
100lb drums.....lb	.95	: .97 1/2
Imported.....lb	.75	: .85
Rubber Makers, Impalp. Pd.		
drs.....lb	.90	: .92
Homatropine Hydrobrom. USP 1 oz.		
vial.....oz	...	: 18.00
Five ozs., 1 oz. vials.....oz	...	: 17.00
Hydrastine Alk., USP, 1 oz. vial.....oz	...	: 20.00
Hydchlde, USP, 1 oz. vial.....oz	...	: 20.00
Sulfate, 1 oz. vial.....oz	...	: 22.00
Hydrastinine Hydchlde, USP 15 gr.		
vials.....vial	...	: 2.40
Hydrazobenzene, 100lb kegs.....lb	1.30	: 1.35
HYDROGEN PEROXIDE, 25vol. 400lb		
bbls. ....lb	...	: .10
USP Soln. 375lb bbls.....lb	.05	: .05 1/2
USP bot. 4 oz. cases.....gross	7.50	: 7.75
Bot. 8 oz. cases.....gross	11.00	: 11.25
Bot. 16 oz. cases.....gross	18.50	: 18.75
Hydroquinone, 100lb kegs.....lb	1.10	: 1.20
Hyosine Hydrobrom. USP 1 oz.		
vial.....oz	...	: 21.00
Five ozs., 1 oz. vials.....oz	...	: 20.50

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CHEMICALS

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Accordingly they are the stand-  
ard of comparison for sellers

Barium Chloride Sodium Fluoride



The ROESSLER & HASSLACHER CHEMICAL Co.  
NEW YORK



## Chemicals

## Manganese—(continued)

Glycero-phosphate, 5 lb tins....lb	...	3.05
Hypophos. USP VIII 5 lb cans..lb	...	1.65
Iodide, 1 lb bot.....lb	...	6.25
Ore, bulk NY.....unit	...	.30
Sulfate, 600 lb casks NY....lb	..10	.11
Marble Flour, bulk.....ton	10.00	12.00
See also Calcium Carbonate		
MENTHOL, USP, 60 lb cases....lb	...	10.00
Less cases, 5 lb tins.....lb	10.25	10.50
MERCURY, metal 75 lb flask..flask	72.50	73.50
Less Flasks, 5 lb jugs.....lb	1.02	1.04
Bichloride, cryst. 25 lb bxs..lb	...	1.17
Gran. powd., 200 lb kegs..lb	...	1.02
Bisulfate, 25 lb boxes.....lb	...	.86
Blue Mass, 25 lb boxes.....lb	...	.62
Powdered, 25 lb boxes.....lb	...	.64
Blue Ointment, USP 25 lb cans		
50%.....lb	...	.80
USP, dilute 25 lb cans 30%..lb	...	.62
33 1/3% Mercury.....lb	...	.67
Calomel, 50 lb bxs.....lb	...	1.25
Citrine Ointment 25 lb jars..lb	...	.50
Iodide, green 25 lb jars.....lb	...	3.86
Red, USP 25 lb jars.....lb	...	3.96
Yellow, USP VIII 25 lb jars..lb	...	3.86
Red Precip. USP 25 lb bxs....lb	...	1.38
Powder, USP 25 lb bxs.....lb	...	1.48
White Precip. USP 25 lb bxs..lb	...	1.49
Powder, USP 25 lb bxs.....lb	...	1.54
With chalk, USP 25 lb bxs....lb	...	.62
Meta-Nitroaniline, 300 lb bbls..lb	...	.80
Meta-Nitro-para-Toluidine, 300 lb		
bbls. ....lb	2.25	3.30
Meta-Phenylenediamine, 300 lb		
bbls. ....lb	1.00	1.10
Meta-Toluylenediamine, 300 lb		
bbls. ....lb	.90	.95

Methyl Acetone, 100 gal. drums..gal	...	.70
Tank cars .....gal	...	.65
Anthranelate, 1 lb bot.....lb	4.00	4.50
Chloride, 90 lb cyl.....lb	...	.50
Cinnamate, 1 lb bot.....lb	4.00	4.50
Paracresol, 1 lb bot.....lb	8.00	9.00
Salicylate, USP 50 lb cases....lb	...	.57
500 lb drums .....lb	...	.55
Second Hands, cases.....lb	.50	.52
Methylene Blue, tech. 100 lb kegs..lb	1.75	2.00
USP, medicinal 5 lb cans....lb	2.25	2.60
Michler's Ketone, 225 lb bbls..lb	...	3.75
Milk, powd. 150 lb bbls.....lb	.14	.15
Milk Sugar, see sugar of milk		
Mineral Oil, see oil mineral		
Monochlorobenzene, see chlorobenzene		
Monoethylaniline, 900 lb drs....lb	1.00	1.05
MORPHINE Sulfate, USP 5 oz. tins		
10 oz. ....oz.	...	5.35
Acetate, 5 oz. tins 10 oz. lots.oz	...	5.35
Hydrobromide, 5 oz tins 10 oz.		
lots .....oz	...	5.35
Hydchlide, 5 oz. tins 10 oz.		
lots .....oz	...	5.35
Diacetyl Alk., 1/4 oz. vls. 10		
oz. ....oz	...	8.95
Hydchlide, 1/4 oz. vls. 10 oz.oz	...	8.10
Ethyl Hydchlide, 1/4 oz. vls. 10		
oz. ....oz	...	9.45
Small Sizes: 1/4 oz. vials, 50c extra;		
1/2 25c extra; single oz. vls., 7c ex-		
tra, over price for 5 oz. tins. 25 oz.		
lots in 5 oz. tins, 10c oz. lower than		
above schedule. Less than 10 oz. lots		
15c oz. higher than above schedule.		
Musk Ambrette, 1 lb cans.....lb	15.00	16.00
Ketone, 1 lb cans.....lb	14.00	14.50
Xylene, 5 lb cans.....lb	3.25	3.50

NAPHTHA, Solvent, 110 gal. dra		
wks. ....gal	...	.32
8000 gal. tank car wks.....gal	...	.37
NAPHTHALENE, Flake, 175 lb bbls.		
wks. ....lb	.08 1/4	.07
Bbls. c/l wks.....lb	.06	.07
Bbls., second hands NY....lb	.06 1/4	.07 1/4
Balls, 250 lb bbls. wks.....lb	.07 1/4	.08
Bbls. c/l wks.....lb	.07	.08
Crushed bgs. wks.....lb	...	.05
Crude, imp., bgs.....lb	.02 1/4	.03
Nerolin, 1 lb tins.....lb	1.75	2.00
Nickel Metal, electrolytic 100 lb		
kegs .....lb	...	.36
Shot, 100 lb kegs.....lb	...	.37
Salt, single 400 lb bbls. NY..lb	.07 1/4	.08
Double, 400 lb bbls. NY..lb	.08	.09
Oxide, 100 lb kegs NY.....lb	.40	.42
Nitre Cake, bulk wks.....ton	6.50	8.00
500 lb bbls. ....ton	9.00	9.75
Nitrobenzene, crude 1000 lb dra		
wks. ....lb	.09 1/4	.10 1/4
Redistilled, 1000 lb dra. wks..lb	.10	.11
Nitronaphthalene, 550 lb bbls..lb	.30	.32
Nitrotoluene, mixed 1000 lb dra		
wks. ....lb	.14	.16
Oil Fuel, see Fuel Oil		
OIL MINERAL, wh. 50 gal. bbls.gal	1.00	1.25
Oil Mirbane, see nitrobenzene		
Opium, see crude drugs		
Orange Mineral, 800 lb casks NY..lb	...	.13 1/4
500 lb bbls. NY.....lb	...	.14
Ortho-Aminophenol, 50 lb kegs..lb	2.35	2.50
Ortho-Anisidine, 100 lb drs....lb	2.00	2.10
Ortho-Dichlorobenzene, 1000 lb dra		
wks. ....lb	.15	.17
Ortho-Nitrochlorobenzene, 1200 lb		
dra. wks. ....lb	.32	.35
Ortho-Nitrophenol, 350 lb bbls..lb	...	.80

# "Baker's"

## DEPENDABLE CHEMICALS

A demand for purified (*not necessarily C. P.*) chemicals in large quantities prompted us to equip our plant for such production.

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### J. T. BAKER CHEMICAL CO.

PHILLIPSBURG, N. J.


New York Representative: H. B. PRIOR, 17 E. 42nd St.

Phone: Vanderbilt 9490



## Chemicals

Ortho-Nitrotoluene, 1000 lb. drs. wks. ....	.11 : .12	Para-Phenylenediamine, 350 lb. bbls. ....	1.50 : 1.60	Phosphorus, red 110 lb. cs. wks. lb. ....	.35 : .50
Ortho-Toluidine, 350 lb. bbls. ....	.14 : .16	Para-Toluene-Sulfonamide, 175 lb. bbls. ....	.40 : .42	Imported, 112 lb. cases. ....	.30
Oxgall, USP 5 lb. bot. ....	3.00	Para-Toluene-Sulfonchloride, 410 lb. bbls. wks. ....	.11 : .14	Phosphorus Sesquisulfide, 105 lb. cs. wks. ....	.37 1/2
PALLADIUM, metal 10 oz. lots. ....	51.00 : 53.00	Para-Toluidine, 350 lb. bbls. wks. lb. ....	1.00 : 1.15	Phosphorus, yellow 110 lb. cs. wks. lb. ....	.32 : .35
Pancreatin, USP 5 lb. bot. ....	1.25 : 1.40	PARIS GREEN -		Imported, 112 lb. cases. ....	.25 : .27 1/2
Papain, 1 lb. bot. ....	2.15 : 2.25	Arsenic Basis, 500 lb. kegs. ....	.23 : .26	Phosphorus Trichloride, 175 lb. cys. wks. ....	.30 : .35
Paraffin, ref'd. 200 lb. cs. slabs		Kegs, 100 lbs. ....	.28	Phthalic Anhydride, 175 lb. bbls. lb. ....	.35 : .40
120-125 Deg. M. P. ....	.03 1/4 : .03 1/4	Kits, 56, 28, 14 lbs. ....	.29	Pilocarpine Hydrochloride, USP 23 oz. lots, 1 oz. vials. ....	8.00
125-130 Deg. M. P. ....	.04 : .04 1/4	Packages, 5 and 2 lbs. ....	.30 : .32	Nitrate, ....	8.00
130-135 Deg. M. P. ....	.04 : .04 1/4	Packages, 1 lb., 1/2, 1/4 lb. ....	.32 : .36	Single ounces. ....	8.25
135-140 Deg. M. P. ....	.05 : .06 1/4	Paris White, see whitening, French		Alkaloid, 15 gr. vials. ....	.75
Para-Aminocetanilid, 100 lb. kegs. ....	1.25 : 1.35	Pepsin, USP 5 lb. bot. ....	2.25 : 2.50	Piperazine Hydrate, 1 lb. bot. ....	16.00
Para-Aminophenol, 100 lb. kegs. ....	1.10 : 1.25	PETROLATUM, green 300 lb. bbls. ....	.02 1/4 : .03	Pitch, Coal-Tar wks. ....	30.00 : 33.00
Hydrochloride, 100 lb. kegs. ....	1.20 : 1.25	Dark Amber 300 lb. bbls. ....	.03 1/4 : .04	Master Paris, tech. 230 lb. bbls. bbl. ....	4.25 : 4.40
Para-Anisidine, 100 lb. kegs. ....	3.00 : 3.25	Light Amber, 300 lb. bbls. ....	.03 1/4 : .04	True Dental, bbls. ....	4.35 : 4.50
Technical, kegs. ....	1.65 : 1.75	Cream White, USP 300 lb. bbls. ....	.07 : .07 1/4	Platinum, metal soft 10 oz. lots. ....	118.00
Para-Dichlorobenzene, 270 lb. bbls. wks. ....	.17 : .20	Lily White, USP 300 lb. bbls. ....	.09 : .09 1/4	Podophyllin, 5 lb. bot. ....	5.00 : 5.50
Paraldehyde, 100 gal. drs. ....	.35	Snow White, USP 300 lb. bbls. ....	.12 : .12 1/4	POTASH, CAUSTIC, solid 88-92% 700 lb. drs. wks. ....	.08
Paraformaldehyde, USP 100 lb. cs. lb. ....	.52 1/4 : .55	PHENOL, see also acid carbolic		Imp., 88-92% 700 lb. drs. NY. lb. ....	.06 1/4 : .06 1/4
Para Nitroacetanilid, 300 lb. bbls. ....	.55 : .60	Open market, 950 lb. drs. ....	.33 : .35	USP, by alcohol 5 lb. cans. ....	.46 : .48
PARA-NITROANILINE, 300 lb. bbls. wks. ....	.73 : .78	240 lb. des. drs. ....	.33 : .35	cases. ....	.30 : .35
Para-Nitrochlorobenzene, 1200 lb. drs. wks. ....	.25 : .27	Natural 240 lb. des. drs. wks. ....	.35 : .40	POTASSIUM Acetate, USP 100 lb. kegs. ....	.28 : .29
Para-Nitro-ortho-Toluidine, 300 lb. bbls. ....	2.75 : 2.85	Imported, 336 lb. des. drs. ....	.35 : .40	Bicarbonate, crys. 220 lb. bbls. lb. ....	.08 : .09
Para-Nitrophenol, 185 lb. bbls. ....	.72 : .75	Phenolphthalein, USP 100 lb. drs. ....	1.50 : 1.60	Bichromate, crys. 900 lb. cases wks. ....	.10 : .10 1/4
Para-Nitrosodimethylaniline, 120 lb. bbls. ....	.60 : .75	5 lb. cans, 100 lb. lots. ....	1.55 : 1.60	Powd., 900 lb. cases wks. ....	.13 : .13 1/4
Para-Nitrotoluene, 350 lb. bbls. ....	1.50 : 1.60	Phenylacetaldehyde, C.P., 1 lb. bot. ....	12.50 : 14.00	Binoxolate, 300 lb. bbls. ....	.34 : .38
Para-oxy-Benzaldehyde, 100 lb. kegs. ....	1.35 : 1.40	50 p.c. ....	7.50 : 8.00	Bisulfate, C.P. 5 lb. cans. ....	.30
Para-Phenetidin, 500 lb. drs. ....	1.35 : 1.40	Phenylacetic Acid, 1 lb. bot. ....	3.00 : 4.00	100 lb. kegs. ....	.33
		Phenyl-Alpha-Naphthylamine 100 lb. kegs. ....	7.00 : 9.00	Bromate, 100 lb. cs. ....	.45
		Phenylethylalcohol, 1 lb. bot. ....	12.50	BROMIDE, USP cryst. 450 lb. bbls. ....	.26
		Imported. ....	.60 : .65	Granular, 300 lb. bbls. ....	.26
		Phosgene, cylinders wks. ....	.30 : .35	Cases, 100 lb. ....	.27
		Phosphorus Oxichloride, 175 lb. cys. lb. ....		Imported, USP 220 lb. cs. ....	.17 : .19
				Cases, 112 lb. ....	.18 : .20



LES USINES

# "ALLONDON"

LA PLAINE—GENEVA  
SWITZERLAND

## Quinine Ethyl Carbonate

## Quinine Dicarboxonate

## Londocaine

## Londesine




J. E. DOCKENDORFF & CO.

Sole Agents and Representatives

20 BROAD ST., NEW YORK

Tel. Rector 4333-4

Cable "Dockendorf,"

## Chemicals

## Potassium—(continued)

<b>CARBONATE, 80-85% calc.</b>		
800 lb cks. ....	.05¾	.06
80-85%, hydrated, 800 lb. cks. ....	.07¾	.08
90-95% casks ....	.06¾	.07
96-98% casks ....	.07	.07¾
99% casks ....	.08	.08¾
USP, 100 lb kegs. ....	.10	.11
Chlorate, crys. 112 lb kgs. NY. ....	.08¾	.09
Imp. 112 lb kegs NY. ....	.07¾	.07¾
Powd., 112 lb kegs NY. ....	.08	.08
Imp. kegs NY. ....	.07¾	.07¾
Pyrotechnic, fine powd. NY. ....	.08	.09
USP, fine crys. 110 lb kegs NY. ....	.08	.09
Citrate, USP 10 lb cans. ....	.63	.66
Glycerophosphate, 75% Soln. 25 lb tins. ....	1.65	1.70
Guaiacol Sulfonate, 5 lb cans, 10 lb. ....	1.50	1.75
Hypophosphite, 10 lb cans. ....	.85	.85
Iodide, USP, 100 lb cases. ....	3.60	3.65
Second Hands, cases. ....	.35	.35
Lactophosphate, 4 oz bot. ....	.90	.90
Metabisulfite, 500 lb bbls. ....	.23	.23
Imp., 300 lb bbls. ....	.15	.17
Muriate, 80%, 200 lb bags, NY K <sub>2</sub> O unit ...	.70	.70
Nitrate, see Saltpetre		
Oxalate, neutral, 100 lb kegs. ....	.40	.45
Perchlorate, 112 lb kegs. ....	.09	.10
Permangan, USP crys. 112 lb drs. ....	.15¾	.16
USP small cry. 112 lb drms. ....	.15¾	.16
Prussiate, red, 100 lb bbls. ....	.92	.95
500 lb casks ....	.92	.95
Prussiate, yellow, 500 lb casks. ....	.38	.39
Salicylate, 25 lb cans. ....	.70	.72

## Potassium—(continued)

Sulfate, 200 lb bags, NY K <sub>2</sub> O unit ...	.95	.95
USP, VIII, 100 lb kegs. ....	.18	.20
Sulfocyanide, CP 25 lb jars. ....	.70	.70
Tartrate, neutral, 100 lb kegs. ....	.53	.53
Titanium Oxalate, 200 lb bbls. freight allowed ...	.35	.35
Pumice Stone, lump, 250 lb bbls. ....	.04¾	.06
Lump, bags ....	.03¾	.05
Powdered, 350 lb bbls. ....	.02¾	.03
Pyridine, 50 gal. drums. ....	1.75	1.80
<b>UICKSILVER, see Mercury</b>		
Umidine Alk 100oz tins. ....	.70	.75
Sulfate, 100oz tins. ....	.50	.50
<b>UININE SULFATE, USP,</b>		
American, 100oz tins. ....	.50	.50
1oz tins, 100oz lots. ....	.57	.57
Dutch, 100oz tins. ....	.50	.50
Java, 100oz tins. ....	.50	.50
Japanese, 100oz tins. ....	.50	.50
<b>UININE ALK., USP, 100oz tins. ....</b>		
Acetate ....	.88	.88
Arsenate ....	.88	.88
Benzonate ....	.88	.88
Bisulfate, USP ....	.50	.50
Citrate ....	.62	.62
Dihydride, USP ....	.66	.66
Dihybrimide ....	.66	.66
Dicarbonate, 10oz tins. ....	2.50	2.50
Ethyl Carbonate, 16 oz tins. ....	.95	.95
Ferrocyanide ....	.88	.88
Formate ....	.85	.85
Glycerophosphate ....	.88	.88
Hydriodide ....	.88	.88
Hydrobromide, USP ....	.62	.62
Hydrochloride, USP ....	.62	.62
Hydrochlorosulfate ....	.66	.66

## QUININE—(continued)

Hydchlide & Urea, USP. ....	.88	.88
Hypophosphite ....	.83	.83
Lactate ....	.78	.78
Phenolsulfonate ....	.88	.88
Phosphate ....	.74	.74
Salicylate, USP ....	.63	.63
Tannate, USP ....	.45	.45
Tartrate ....	.88	.88
Valerate ....	.89	.89
Small Sizes: 1oz vials or cans, 50oz lots, 5c oz extra; 5oz cans, 50oz lots 3c oz extra; 25oz cans, 50oz lots, 2c oz extra; single 1oz vials or cans, 5c extra. All minor quinine salts sold and quoted basis 1000oz lots in 100oz cans. Sulfate and bisulfate sold basis 1000oz lots in 100oz cans. Smaller orders or containers extra as above schedule.		
R SALT, 250 lb bbls. wks. ....	.55	.60
Red Lead, see lead oxide		
Red Precipitate, see mercury.		
Resorcin, see resorcinol.		
Resorcinol tech. 100 lb kegs. ....	1.50	1.55
USP, 25 lb cans ....	2.00	2.10
Rochelle Salt, USP, 225 lb bbls. ....	.21	.21
Imp. USP, 300 lb bbls. ....	.19	.21
Rosewater, triple, 5gal. dems. ....	1.15	1.25
Rotten Stone, lump imp., bbls. ....	.07	.09
Lump selected, bbls. ....	.09	.12
Powdered, bbls. ....	.02	.05
Domestic, bags, mines. ....	24.00	30.00

## DINITROTOLUENE

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## Pure Needle Crystals

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NO VARIATION IN QUALITY

# The Selden Co.

PITTSBURGH, PENN., U. S. A.

Specifications on Request

## Chemicals

<b>SACCHARIN</b> , USP, 1 lb cans, 25 lb			<b>Soap</b> , Castile, 40 lb bxs.....lb			<b>SODIUM ACETATE</b> , crys 450 lb bbls		
lb	1.90	: 2.00	Powd. USP, 250 lb bbls.....lb			wks.	.08	: .08½
Soluble, USP, 1 lb cans, 25 lb	1.90	: 2.00	Green, USP, 150 lb kegs.....lb			Ton lots, bbls wks.....lb	.07½	: .08
Safrol, 60 lb cans.....lb			Prices on soda alkalies are based on actual percentages and not N. Y. & L. test.			Aluminum Sulfate, see alum soda.		
Sal Ammoniac, see Ammon. Chloride			Soapstone, see Talc, crude			Benzoate, USP, 250 lb bbls.....lb	.57	: .60
Salicin, USP, 1 lb cartons, 25 lb	5.00	: 5.25	<b>SODA ASH</b> , 58% light bgs NY			Bicarbonate, 400 lb bbls.....lb	...	: 2.15
Salol, USP, 100 lb drums.....lb	.90	: .95	flat, ex-warehouse.....100 lb			Bbls c/l wks.....100 lb	...	: 1.75
Second Hands.....lb	.85	: .90	Contract, Basis 48% bags c/l			112 lb kegs.....100 lb	...	: 2.00
Salt, Common, see sodium chloride.			wks.....100 lb			112 lb kegs, NY.....100 lb	...	: 2.40
Salt Cake, c/l f.o.b. wks.....ton	28.00	: 30.00	Prompt and spot, Basis 48% bags			Bichromate, 600 lb casks wks.....lb	.67½	: .68
<b>SALTPETRE</b> , Double Refined			c/l wks.....100 lb			Casks, c/l wks.....lb	.67½	: .67½
Granular, 400-500 lb bbls,			Soda Ash, 58% dense, bags ex-			Bisulfite, dry powder, 500 lb	.04	: .04½
c/l wks.....lb	...	: .06½	warehouse, NY.....100 lb			bbls, wks.....lb	1.15	: 1.80
Less c/l wks, bbls.....lb	.07½	: .08½	Contract, Basis 48% bags c/l			Solution, 32-40°, 500 lb bbls		
Large Crystals, 350-400 lb bbls,			wks.....100 lb			wks.....100 lb	...	: 1.80
c/l wks.....lb	...	: .08½	Pmpt. and spot, Basis 48% bags			Cases, 100 lb.....lb	...	: .25
Small Crystals, 350-400 lb bbls,			c/l wks.....100 lb			Imp. USP, 112 lb ca.....lb	.18	: .20
c/l wks.....lb	...	: .07½	<b>SODA, CAUSTIC</b> , 76% solid, resale,			25 lb.....lb	6.00	: 6.25
Imported, 500 lb bbls, NY.....lb	.06½	: .06½	NY flat.....100 lb			Carbonate, sal soda, 350 lb bbls		
<b>Santonin</b> USP, 1 lb bot.....lb	172.00	: 175.00	76% solid dra. ex-warehouse			le/l wks.....100 lb	1.30	: 1.35
Powd, 1 lb bot.....lb	173.50	: 176.50	NY.....100 lb			Ton lots, wks.....100 lb	...	: 1.25
Saponin, ex Quillaja, 5 lb tins.....lb	1.25	: 1.56	Contract basis 60% c/l wks			USP monohyd, 100 lb keg.....lb	...	: .05½
Schaeffer's Salt, 250 lb bbls.wks.....lb	.60	: .65	100 lb.....lb			Pure photographic, 100 lb	.08	: .09
Scopolamine, see hyoscyne.			Pmpt and spot, Basis 60%			Chlorate, 112 lb kegs, wks.....lb	.06½	: .07
Seidlitz Mixture, 225 lb bbls.....lb	.17	: .18	c/l wks.....100 lb			Imported, 112 lb kegs.....lb	...	: .06½
<b>SILICA</b>			Contract 60% low grade c/l			Chloride, tech 200 lb bags.....ton	12.00	: 15.00
Crude, bulk, mines.....ton	10.00	: 12.00	wks flat.....100 lb			C. P. 300 lb bbls.....lb	.05	: .06
Refined, floated, bags.....ton	18.00	: 30.00	Ground & flake, 76% pmpt and			Citrate, USP, IX, 100 lb kegs.....lb	...	: .62
Air floated, bags.....ton	32.00	: 50.00	spot, wks c/l drs.....100 lb			USP, VIII, 100 lb kegs.....lb	...	: .55
Extra, floated, bags.....ton	55.00	: 65.00	Contract, 76% drums, c/l wks			Cyanide, 96-98%, 100 lb cases		
<b>SILVER</b> , metal, American.....oz			flat.....100 lb			NY.....lb	.24	: .25
Foreign.....oz	...	: .63	76% drs. ex-warehouse NY 100 lb			Ton lots, NY.....lb	...	: .23
Colloidal, 16oz bot.....oz	...	: 1.60	USP, stick, 10 lb cans.....lb			73-76%, 100 lb cases, NY lb	.22	: .23
Nitrate, USP, 200oz bot.....oz	.42½	: .43	Pure, stick, by alcohol.....lb			Imp. 128%, 200 lb cases.....lb	.21	: .24
Nucleinate, 16oz bot.....oz	.32	: .37				120%, cases.....lb	.19	: .20
Proteininate, 16oz bot.....oz	.34	: .39				Fluoride, 350 lb bbls, NY imp. lb	.09½	: .09½

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 Caffeine and Salts  
 Cocaine and Salts  
 Codeine and Salts  
 Colchicine Alkaloid, U. S. P.  
 Colchicine Salicylate  
 Creosote, U. S. P.  
 Creosote Carbonate  
 Cumarin  
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 Hyoscyamine and Salts  
 Morphine and Salts  
 Phenolphthalein  
 Filocarpine and Salts  
 Potassium Guaiacol  
 Sulphonate "Alta" Brand  
 Salicin  
 Saponin Purified  
 Scarlet Red Medicinal  
 Genuine "Biebrich"  
 Silver Proteininate  
 Sodium Cacodylate  
 Sparteine Sulphate  
 Strophanthin  
 Strychnine and Salts  
 Theobromine and Salts  
 Veratrine and Salts  
 Yohimbin Hydrochloride

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# Chemicals

## Sodium—(continued)


Glycerophos, USP, crys 25 lb cans	1.70	: 1.75
Powder, 25 lb tins	1.75	: 1.80
Solution, USP 25 lb tins	1.00	: 1.05
Hydroxide, 200 lb bbls, fob, wks. lb	.19	: .22
Hydroxide, see Soda Caustic		
Hypophosphite, USP, 25 lb cans	...	: .75
<b>HYPOSULFITE</b> , tech. pea crys., 375 lb bbls. wks. 100 lb	3.60	: 3.85
Bbls c/l wks. 100 lb	...	: 3.45
100 lb kegs wks. 100 lb	3.95	: 4.25
Granulated, bbls. wks. 100 lb	3.85	: 4.05
Bbls. c/l wks. 100 lb	...	: 3.95
Kegs wks. 100 lb	4.20	: 4.50
Regular crystals 25c per 100 lb	3.00	: 3.25
Iodide, USP, 25 lb jars	...	: 4.00
Metanilate, 150 lb bbls	.80	: .82
Naphthionate, 300 lb bbls	...	: .56
Nitrate, crude, 95%, 200 lb bgs c/l NY	...	: 2.57½
Futures, NY	...	: 2.60
Double Refined, 400 lb bbls wks	.04½	: .04½
Nitrite, 500 lb bbls wks	.09	: .09½
Bbls spot, makers	...	: .10
Imp. 650 lb casks	...	: .08½
<b>Ortho-Chloro-para-Toluene Sulfonate</b> , 175 lb bbls wks. lb	.25	: .27
Oxalate, neutral, 100 lb kegs	...	: .47
Perborate, 275 lb bbls	...	: .24
Imp., 225 lb drs	.18	: .19
Peroxide, 200 lb cases	.25	: .27
Phosphate, di-sodium, tech 550 lb bbls	.03½	: .04½
USP, gran. 275 bbls	.07	: .07½
Imp. gran.	.05½	: .06
USP, recrys 275 bbls	.10	: .11
Mono-sodium 100 lb kegs	.25	: .27
Tri-sodium tech. 550 lb bbls	.04½	: .05½
Piermate, 100 lb kegs	...	: .60

## Sodium—(continued)

<b>Para-Toluene Sulfonate</b> , 175 lb bbls	.08	: .09
<b>PRUSSIAN</b> , yellow, 450 lb cks. lb	.19	: .19½
Pyrophosphate, 100 lb kegs	.18	: .22
Salicylate, 100 lb kegs	.47	: .49
Second Hands, USP, kegs	.42	: .45
Silicate, 60° 700 lb bbls. f.a.s NY	...	: 2.00
Works, 1000 lb drums	...	: 1.90
Works, tanks	...	: 1.75
40° domestic. 700 lb c/l f.o.b. wks.	.95	: 1.10
Works, 1000 lb drums	...	: .82½
Works, tanks	...	: .72½
Spot, drums, bbls	1.25	: 1.50
Silicofluoride, 450 lb bbls NY	.07½	: .08
Sulphate, see Glauber's Salt.		
Sulfide, 60% solid, 650 lb drs wks.	.05	: .05½
Drs. c/l wks	...	: .03½
Imp, 700 lb drs NY	...	: .04
60% broken, 650 lb drs wks. lb	.05½	: .05½
Imp, 500 lb drs NY	...	: .04½
30% crys. 400 lb bbls wks. lb	.02½	: .03½
Sulfite, crys, 400 lb bbls wks. lb	.03½	: .03½
Dessicated, 400 lb bbls	.09½	: .10
<b>Sulfocarbonate</b> , USP, 100 lb kegs	.41	: .43
Sulfocyanide, 400 lb bbls	.45	: .47
Tungstate, crys 100 lb kegs	...	: .55
Dessicated, kegs	...	: .65
Solvent Naptha, see Naptha.		
Sparteine Sulfate, USP, 25oz bulk oz.	.60	: .70
Single oz. vial	...	: .60
Starch, rice, 140 lb bags	.09	: .10

## STRONTIUM Bromide, USP, 100 lb

kegs	...	: .33
Carb. 600 lb bbls. wks	...	: .07
100 lb kegs wks	...	: .08
Iodide, USP, 25 lb jars	...	: 3.90
Nitrate, 600 lb bbls. wks	.11	: .11½
Imp. bbls. NY	.08½	: .10
Salicylate, USP, 100 lb kegs	...	: .65
<b>STRYCHNINE</b> Alkaloid, USP, crys 100oz tins	...	: 1.15
Alk. powd, USP	...	: 1.05
Acetate	...	: 1.05
Glycerophosphate, USP	...	: 1.05
Hydrobromide	...	: 1.05
Hydrochloride	...	: 1.05
Hypophosphite	...	: 1.15
Nitrate, USP	...	: 1.05
Phosphate	...	: 1.05
Sulfate, USP, crys powd.	...	: .84
Saccharinate	...	: 2.15
Strychnine preparations quoted bases 100oz lots in 100oz tins. Small Sizes: ¼oz vials, 50c extra; ½oz vials, 25c extra; single ounce vials, 7c extra. Lots of 25 ozs. 5c higher than above schedule. Lots of less than 25 ozs. 10c higher per oz.		
Sugar Milk, USP, 200 lb bbls	.21	: .22
Second Hands, USP, bbls	.22	: .23
<b>Sulfonal</b> , see Sulfonmethane.		
Sulfonmethane, USP, 5 lb bxs	...	: 4.25
Sulfonethymethane USP, bxs, 5 lb	...	: 5.25
<b>SULFUR</b> , crude, bulk, c/l NY. ton	...	: 18.00
Crude, f.o.b. plant	14.00	: 15.00
<b>Brimstone</b> , 250 lb bgs, c/l 100 lb	...	: 1.75
Less c/l bags NY	1.85	: 2.10
Boll, 500 lb bbls c/l NY. 100 lb	...	: 2.15
Less c/l bags NY	2.35	: 2.60
<b>Flour</b> , Heavy, 290 lb bbls, 100 lb	2.50	: 3.05
Light, 100%, 260 lb bbls, 100 lb	2.60	: 3.15
Stubbersmakers 100%, 240 lb bbls NY	2.50	: 3.15



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## Chemicals

## SULFUR—(continued)

Commercial, 99%, 150 lb bgs NY.....100 lb	1.35	: 1.65
For Dyeing, 99%, 100 lb bgs NY.....100 lb	2.00	: 2.50
Flowers, 100%, 240 lb bbls NY.....100 lb	3.00	: 3.55
Precipitated, 125 lb bbls NY.....lb	.14	: .15
Lac, 125 lb bbls NY.....lb	.07	: .10
Sulfur Chloride, red, 700 lb drs wks.....lb	...	: .05%
150 lb clys wks.....lb	...	: .08
Yellow, 700 lb clys wks.....lb	...	: .05
150 lb clys wks.....lb	...	: .05%
Sulfur Dioxide, 100 lb cyl.....lb	.08	: .08%
Sulfuric Ether, see Ether.		
Sulfuryl Chloride, 600 lb drs lb	...	: .70
TALC, Italian, 220 lb bags NY.....ton	35.00	: 40.00
Refined, white, bags.....ton	42.00	: 55.00
French, 220 lb bags NY.....ton	25.00	: 30.00
Refined, white, bags.....ton	32.00	: 45.00
Dom, crude, 100 lb bags NY.....ton	15.00	: 18.00
Refined, 100 lb bags NY.....ton	20.00	: 30.00
Tartar Emetic, tech. 700 lb bbls lb	.27	: .27%
USP, 300 lb bbls.....lb	.34%	: .35%
Terpin Hydrate, USP, 100 lb kegs lb	.73	: .75
Terpineol, CP 1000 lb drums.....lb	.50	: .60
Cans, 50 lb.....lb	.55	: .60
Imported, cans, 25 lb.....lb	.70	: .75
Terpenyl Acetate, 25 lb cans.....lb	1.75	: 2.00
Terra Alba, No. 1, 300 lb bbls 100 lb	1.85	: 1.90
No. 2, bbls.....100 lb	1.25	: 1.35
Theobromine Alk., 5 lb cans.....lb	...	: 6.00
and Sod. Salicylate, 1 lb bot.....lb	...	: 4.00
Thiocarbamid, 170 lb bbls.....lb	.35	: .37
Thymol, USP, 10 lb cans.....lb	4.00	: 4.25
Iodide, 5 lb boxes.....lb	6.75	: 7.00
TIN, Metal Stralis, NY.....100 lb	...	: 38.50
American standard, NY.....100 lb	...	: 38.00
99% American, NY.....100 lb	...	: 37.75
C.P. mossy, 25 lb bxs NY lb	...	: ...

## Tin—(continued)

Bichloride, 50% soln 100 lb bbls wks.....lb	.10%	: .10%
Crystals, 500 lb bbls wks.....lb	...	: .31
100 lb kegs, wks.....lb	...	: .31%
Oxide, 400 lb bbls wks.....lb	...	: .38
100 lb kegs wks.....lb	...	: .39
Tetrachloride, 1000 lb drs wks lb	.21%	: .22
Telluride, 350 lb bbls.....lb	1.15	: 1.20
Sulfate, 350 lb bbls.....lb	...	: 1.00
Toluene, 800 gal tank cars, wks gal	...	: .30
110 gal drs wks.....gal	...	: .35
Toluidine, Mixed, 900 lb drs wks lb	.30	: .32
Tribromphenol, 100 lb cases.....lb	...	: 1.00
Trional, see Sulfonethymethane.		
Triphenyl Phosphate, 450 lb bbls lb	...	: .45
Tripoli, 500 lb bbls.....100 lb	2.50	: 3.00
Tungsten NY.....WO, unit	7.50	: 8.00
UREA, pharm 112 lb cases.....lb	...	: .40
VANILLIN, USP, 400 oz cans.....oz	.43	: .45
Cans, 80 ozs.....oz	...	: .45
Cans, 16 oz.....oz	...	: .46
Second Hands, cans.....oz	.43	: .47
Vermilion, Amer. 100 lb kegs.....lb	...	: .35
English, kegs.....lb	...	: 1.30
Veratrine Sulfate, 1 oz vial.....oz	...	: 2.50
Hydrochloride, 1 oz vial.....oz	...	: 2.50
WHITE LEAD, see lead, white.		
White Precipitate, see mercury.		
Whiting, 200 lb bags, c/1 wks ton	...	: 18.00
Bags, 1/c1 wks.....ton	...	: 20.00
Gilders, bags.....ton	13.50	: 15.00
French, bags, NY.....ton	...	: 18.00
English, bags, NY.....ton	...	: 23.00
Witch Hazel Extract, 50 gal bbls gal	1.20	: 1.25

## XYLENE, 2° dist range, nitration

lbs wks.....gal	...	: .45
110 gal drs wks.....gal	...	: .50
5° dist range, 800 gal tanks wks.....gal	...	: .40
110 gal drs wks.....gal	...	: .45
Xylidine, 900 lb drs.....lb	.42	: .43
YARA YARA, 1 lb tins,.....lb	2.00	: 2.50
Yohimbin Hydchloride, 1 oz. vial. oz	...	: 11.50
ZINC, METAL, high grade, slabs c/1 NY.....100 lb	...	: 8.25
Common Slabs, c/1 NY.....100 lb	7.40	: 7.45
Mossy, 25 lb bxs NY.....lb	...	: .15
Ammonium Chloride, soln, 400 lb bbls.....lb	...	: ...
Carb. tech, 150 lb kegs NY lb	.14	: .16
USP, 100 lb kegs.....lb	...	: .30
Chloride, fused, 600 lb drs wks lb	...	: .07
Drs. c/1 wks.....lb	...	: .05%
Imp. drs NY.....lb	.06	: .06%
Granulated, 500 lb bbls wks lb	.08	: .09
Imported, drs, NY.....lb	.05	: .05%
USP, 25 lb jars.....lb	...	: .20
Cyanide, 100 lb drs.....lb	.42	: .43
Dust, 100 lb tins wks.....lb	.09	: .11
500 lb bbls, kegs, c/1 wks lb	.09%	: .09%
500 lb bbls, kegs, c/1 wks lb	.08%	: .09
Iodide, 5 lb bottles.....lb	...	: 5.00
Nitrate, 25 lb jars.....lb	...	: .35
Oxide, Amer. 300 lb bbls, wks lb	.07%	: .08
Bbls c/1 wks.....lb	...	: .07%
French, 300 lb bbls wks.....lb	.09%	: .11%
Bbl c/1 wks.....lb	.09	: .09%
Bags, c/1 wks.....lb	.08%	: .09
Imported, white seal, bbls.....lb	...	: .12%
Green seal, bbls.....lb	...	: .10
USP, 100 lb bbls.....lb	.15	: .17
Stearate, USP, 60 lb bbls.....lb	.19%	: .21
Sulfate, 400 lb bbls wks.....lb	.03%	: .03%
Bbls c/1 wks.....lb	...	: .02%
USP, 100 lb kegs.....lb	.08	: .09
Sulfocarbonate, 100 lb kegs lb	.40	: .42



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Castor, No. 1 400 lb bbls.....	12 3/4	12 3/4
80 lb cases.....	13 3/4	14
No. 3, bbls.....	11 3/4	12
China Wood, bbls, spot NY.....	13	13 1/4
8000 gal. tks. NY.....	13	13
Jan. Feb. forward, tanks, NY.....	12 1/2	12 1/2
Mar.-Apr. forward, tanks, NY.....	11 1/4	11 1/4
Coast, tanks, Jan. forward.....	11 1/4	11 1/4
Cocunut Ceylon, 375 lb bbls. NY.....	08 3/4	08 3/4
8000 gal. tanks NY.....	07 1/4	07 1/4
Cochin, 375 lb bbls. NY.....	09 1/4	09 3/4
Tanks, NY.....	08 3/4	08 3/4
Manila, tanks Coast.....	07	07 1/4
Edible, bbls. NY.....	10 3/4	11
Cod. Newfoundland 50 gal. bbls.gal	60	61
Tanks, NY.....	58	59
Corn, bags c i f NY.....	04 3/4	04 3/4
Corn, ref. 375 lb bbls. NY.....	12 3/4	13
Crude, tanks mills.....	08 3/4	09
Bbls. mills.....	09 3/4	09 3/4
Bbls. NY.....	10 1/4	11
COTTONSEED, crude tks. mills.....	08 1/4	08 1/4
P. S. Y. 100 bbl. lots NY.....	10	10
White, 100 bbl. lots NY.....	12	12
Winter yellow, 100 bbls. NY.....	12 1/4	12 1/4
Degras, Amer. 50 gal. bbls. NY.....	04 1/2	04 1/2
English, bbls. NY.....	04 1/2	05
Neutral, bbls. NY.....	10	11
Grease, choice white bbls. NY.....	09 1/4	09 1/4
Yellow.....	07 1/4	07 1/4
Brown.....	06 3/4	07
House.....	06 3/4	07
Bone naphtha.....	06	06 1/4
Herring, Tanks, Coast.....	06 1/4	06 1/4
Horse, 375 lb bbls. NY.....	13 3/4	14
Lard, prime stearc bbls.....	13 3/4	14
Compound, bbls.....	11 1/4	12
LARD OIL, Edible prime, bbls.....	15	16
Off prime, bbls.....	13 1/4	13 1/4
Extra, bbls.....	13 1/4	13 1/4
Extra No. 1, bbls.....	12 1/4	12 1/4
No. 1 bbls.....	11 1/4	11 1/4
No. 2 bbls.....	11 1/4	11 1/4

LINSEED, raw c/l bbls spot.....	90	90
Five bbls., raw.....	93	93
Bolled, 5 bbl. lots.....	95	95
Double bolled 5 bbl. lots.....	98	98
Raw, Jan. c/l bbls.....	90	90
Feb.-Apr., c/l bbls.....	87	87
Imported, bbls., NY.....	85	85
Imp. shipment, duty paid bbls.gal	82	82
Menhaden, crude bbls. wks.....	50	50
Crude, tanks wks Balt.....	48	48
Light strained, tanks.....	58	60
Light strained, bbls. NY.....	60	62
Yellow bleached, bbls. NY.....	62	64
Blown, bbls. NY.....	72	74
Neatsfoot, 20° c.t. bbls. NY.....	18	20
30° cold test, bbls. NY.....	15 1/4	15 1/4
Prime, bbls. NY.....	12 3/4	13 1/4
Oilc Oil, No. 1, bbls NY.....	13 3/4	14 1/4
No. 2, bbls. NY.....	10 1/2	10 1/2
No. 3, bbls. NY.....	09 1/4	09 3/4
OLIVE, denatured bbls. NY.....	1.15	1.17
Edible, bbls. NY.....	1.80	2.10
Foots, bbls. NY.....	09	09 1/4
Shipment, duty paid.....	08	08 3/4
Palm Lagos, 1500 lb casks.....	07 1/4	08
Niger, casks.....	06 1/4	06 3/4
Bonny old Calabar, casks.....	06 3/4	07
Palm Kernel, 1500 lb casks NY.....	08 3/4	09
Peanut, refined bbls. NY.....	14 1/4	15
Crude, mills buyers' tks.....	12	12 1/4
Crude, bbls. NY.....	12 1/4	13
Crude, Coast, sellers tks in B/dlb	07 1/4	07 1/4
Pertilla, bbls. NY.....	13 1/4	14
Shipment, c.i.f. NY bbls.....	13 1/4	14
Shipment, c.i.f. NY c/s.....	13 1/4	14
Poppyseed, bbls. NY.....	2.50	2.50
Rapeseed, refined bbls. NY.....	78	80
Blown, bbls. NY.....	95	98
Red Oil, distilled bbls.....	10	10
Saponified, bbls.....	10	10
Salmon, 8000 gal. tks. Coast.....	45	45
Sesame, domestic edible bbls.....	2.50	2.50
Sod Oil, bbls. NY.....	44	44

SOYA BEAN, crude tks. Coast.....	09	09 1/2
Crude, bulk c.i.f. NY in bond.....	06 3/4	07
Crude, bulk c.i.f. PC in bond.....	05 3/4	06
Crude, bbls. NY.....	10 1/4	11
Refined, bbls. NY.....	12 1/4	12 1/4
Amer. pressed, crd. bbls. NY.....	11	11 1/4
Sperm, 38° c. t. blechd. bbls. NY.gal	1.05	1.05
45° cold test, blechd. bbls. NY.gal	1.02	1.02
STEARIC ACID, a. p. 200 lb bags.....	10 1/4	10 1/4
Double pressed, bgs.....	11 1/4	11 1/4
Triple pressed, bgs, saponified.....	12	12
Triple pressed, bgs, distilled.....	12 1/4	12 1/4
Triple pressed, bgs saponified.....	13	13
Stearine, oleo, bbls.....	09 1/4	09 1/4
Lard, bbls.....	12	12
Tallow, edible, tierces.....	09 1/4	09 1/4
City extra, loose.....	08	08
Tallow Oil, acidless tks, NY.....	10 1/4	10 1/4
Bbls. c/l NY.....	11 1/4	12 1/4
Teaseed, crude bbls. NY.....	12 1/4	12 1/4
Walnut, crude bbls. NY.....	11	11 1/4
Whale, nat. winter bbls. NY.....	70	70
Bleed, crude bbls. NY.....	75	75
Crude, No. 1, tanks Coast.....	06 1/4	06 1/4
Crude, No. 2, tanks Coast.....	06 1/4	06 1/4
Crude No. 3, tanks Coast.....	06 1/4	06 1/4

## Fertilizer Materials

Ammon. Sulf. bulk wks.....	100 lb	3.20
Double bgs. f.a.s. NY.....	100 lb	3.55
Blood, dried f.o.b. NY.....	unit	4.65
Bone, 3 & 50 ground raw.....	ton	28.00
B.V. Chicago.....	ton	25.00
Cyanamide wks.....	unit	2.25
Fish Scrap, dried wks.....	unit	5.15
NITRATE SODA, NY.....	100 lb	2.60
Phosphate Rock, f.o.b. mines.....	ton	3.00
Florida pebble, 68-78%.....	ton	5.50
Tennessee, 70-75%.....	ton	3.25
Phosphate Acid, 16% wks.....	ton	10.00
Potassium Muriate, 80%.....	unit	70
Sulfate.....	unit	85
Steamed Bone Meal, NY.....	ton	28.00
Tankage, ground NY.....	unit	4.65
High grade, f.o.b. Chicago.....	unit	4.65

## Cresylic Acid

Pale and Dark

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Dinitrotoluene

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Ortho Toluidine  
Para Toluidine



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## Tannins and Dyestuffs

## Naval Stores

(Carloads ex-yard N. Y.)		
Spirits Turpentine, bbls.....gal	1.36	
Wood Turpentine, etn. distd. bbls.gal	1.27	
Destructive distilled, bbls.....gal	1.17	
Pitch, prime.....bbl	6.00	6.50
Rosins. (Sold in 600 lb bbls, gross for net, quotations based on a unit of 280 lb)		
B.....280 lb	6.05	
D.....280 lb	6.10	
E.....280 lb	6.10	
F.....280 lb	6.15	
G.....280 lb	6.15	
H.....280 lb	6.20	
I.....280 lb	6.20	
K.....280 lb	6.20	
M.....280 lb	6.25	
N.....280 lb	6.45	
WG.....280 lb	6.65	
WW.....280 lb	7.90	
Rosin Oil, first run 50 gal. bbls.gal	.43	
Second run, bbls.....gal	.47	
Tar, kiln-burnt.....bbl	12.50	
Retort.....bbl	12.00	

## Woods

Barwood, chips.....lb	.04½	.05
Camwood, chips.....lb	.09	.13
Dist. Dist. pods 100-200 lb bags.ton	32.00	34.00
Fustic, sticks.....ton	35.00	37.00
Chips.....lb	.04	.06
Hemlock, bark.....ton	16.00	18.00
Hyperic, chips.....lb	.06½	.07
LOGWOOD, sticks.....ton	30.00	
Chips 150 lb bags.....lb	.02½	.03
Mangrove bark, African.....ton	35.00	
Bark, South American.....ton	25.00	30.00

Myrabolans, 150 lb bags J1.....ton	28.00	
B1.....ton	24.00	
R2.....ton	17.00	
Nutmalls, see Crude Drugs.		
Oak bark, whole.....ton	20.00	23.00
Ground.....ton	25.00	
Quercitron bark, rough.....ton	10.00	
Ground.....ton	20.00	25.00
Sumac, Sicily, 160 lb bags.....ton	55.00	58.00
Virginia, 150 lb bags.....ton	35.00	
Valonia Cups, 28-33% tan.....ton	31.00	35.00
Beard, 40% tan, 150 lb bgs.ton	48.00	50.00
Wattle bark, 150 lb bags.....ton	38.00	40.00

## Extracts

Range of prices includes quality range for large quantity.

Anatto, fine.....lb	.26	.29
Archil, double 600 lb bbls.....lb	.16	.18
Triple, 600 lb bbls.....lb	.17	.19
Conc., 600 lb bbls.....lb	.14	.20
Chestnut, clarified, 25% tks. wks.ton	.01½	.01½
Powd., 60% 100 lb bbls. wks.lb	.05½	.05½
Decolorized, bbls. wks.....lb	.09	.09½
Cudbear, English.....lb	.21	.23
Cutch, Rangoon, 100 lb bales.....lb	.13	.16
Liquid, 450 lb bbls.....lb	.10	.11
Tablets, 120 lb boxes.....lb	.13	.14
Flavine.....lb	.90	.95
Fustic, solid 50 lb boxes.....lb	.14	.18
Crystals, 100 lb boxes.....lb	.22	.24
Liquid, 51%, 600 lb bbls.....lb	.10	.14
Gal extract.....lb	.16	.18
Gambler, 25% liq. 450 lb bbls.....lb	.06½	.07
Common, 200 lb cases.....lb	.05½	.05½
Singapore cubes, 150 lb bags.....lb	.07	.07½
HEMATINE, Paste, 500 lb bbls.....lb	.11½	.13½
Crystals, 400 lb bbls.....lb	.16	.20
Hemlock, 25% 600 lb bbls. wks.lb	.04	.04½
Hyperic, 51%, 600 lb bbls.....lb	.15	.20
Indigo, Madras bbls.....lb	.85	.90
Manilla, bbls.....lb	1.30	

Larch, 25%, 600 lb bbls., wks..lb	.03½	.03½
Powd. 100 lb bags, wks.....lb	.07½	.08
Logwood, 51%, 450 lb bbls.....lb	.08	.10
Solid, 50 lb boxes.....lb	.15	.21
Madder, Dutch.....lb	.28	.30
Mangrove, 55% 400 lb bbls.....lb	.05½	.05½
Myrabolans, 25% liquid bbls.....lb	.05	.05½
50% solid, 50 lb boxes.....lb	.06½	.06½
Oak, tanks wks.....lb	.04½	.04½
23-25% liq. 600 lb bbls. wks.lb	.05	.05½
Osage Orange, 50% liquid.....lb	.07	.08
Powd. 100 lb bags.....lb	.15	.16
Persian Berries.....lb	.27	.30
QUEBRACHO, 35% liquid tks..lb	.03½	.04
450 lb bbls.....lb	.04½	.04½
35% bleaching, 450 lb bbls..lb	.04½	.05½
Solid 65% 100 lb bales.....lb	.04½	.05
Clarified bales.....lb	.05½	.05½
Quercitron, 51% 450 lb bbls.....lb	.06	.07
Powdered, 100 lb boxes.....lb	.09	.13
Spruce, 25% liquid tanks wks..lb	.01	.01½
Powd. 50% 100 lb bags wks.lb	.02	.02½
Sumac, liquid 450 lb bbls.....lb	.07	.00

## DYERS' SUNDRIES

Albument, technical, egg 200 lb cs..lb	.80	
Blood, domestic, 100 lb drs..lb	.35	
British Gum, 140 lb bags c/l 100 lb	3.39	
Bags lb/l.....100 lb	3.67	
Dextrin, corn 140 lb bags c/l 100 lb	3.69	
Bags lb/l.....100 lb	3.37	
Potato 140 lb bags c/l.....100 lb	.69	
Bags lb/l.....100 lb	.69½	.69½
Prussian blue.....lb	.60	.62
Sago Flour, 150 lb bags.....lb	.03½	.03½
Spray Volk 150 lb cs.....lb	.35	.45
STARCH, powd. 140 lb bgs.c/l100 lb	2.47	
Bags lb/l.....100 lb	2.75	
Pearl, 140 lb bags c/l.....100 lb	2.37	2.65
Potato, domestic, 140 lb bags.....lb	.05½	.05½
Imported, bags duty paid.....lb	.06½	.07½
Taploca Flour, high grade bags.....lb	.05	.05½
Medium grade, bags.....lb	.03½	.04
Low grade, bags.....lb	.03	.03½
Turkey Red Oil, bbls.....lb	.09	.11
Yolk Oil, bbls.....lb	.35	

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## Crude Drugs

Acetoides Gum, yel., .....	lb	.18	: .20
ACONITE Leaves, bales.....	lb	.20	: .22
Aconite Root, USP, bags.....	lb	..	: .40
Agar Agar, 1, 200 lb bales.....	lb	1.60	: 1.65
No. 2, bales.....	lb	..	: ..
No. 3, bales.....	lb	1.45	: 1.50
Agarie, white, cases.....	lb	..	: ..
Almonds, bitter bags bxs.....	lb	.30	: .35
Sweet, bags.....	lb	.45	: .46
Meal, fine, boxes.....	lb	.28	: .30
Aletris Root, bags.....	lb	.60	: .62
Alkanet Root, bags.....	lb	.08	: .10
Aloe, Barbadoes, 120 lb bbls.....	lb	.70	: .75
Cape, 400 lb cases.....	lb	.07	: .07½
Curacao, 100 lb cases.....	lb	.06	: .06½
Socotrine, whole 100 lb cs.....	lb	.28	: .30
Althea Root, cut cases.....	lb	.14	: .16
Whole bags.....	lb	.09	: .10
Ambergris, black boxes.....	oz	..	: 8.00
Grey, boxes.....	oz	..	: 28.00
Ammoniac, tears, bags.....	lb	1.35	: 1.40
Angelica Root, dom, bags.....	lb	.14	: .15
Angelica Bark, bags.....	lb	.14	: .15
Anise, Levant bags.....	lb	.17	: .17½
Star, cases.....	lb	.15	: .15½
Spanish, bags.....	lb	.19½	: .20
Anatto Seed, bags.....	lb	.03	: .03½
ARABIC GUM, 200 lb cases.....	lb	.25	: .27
Seconds, 250 lb bags.....	lb	.20	: .22
Sorts, amber, 200 lb bags, bbls.....	lb	1.5½	: .16
Powd., USP 300 lb bbls.....	lb	.20	: .21
Areca Nuts, 150 lb bags.....	lb	.09	: .10
Powd., 200 lb bbls.....	lb	.12	: .14
Arnica Flowers, bales.....	lb	.14	: .15
Root, bags.....	lb	.20	: .30
Arrowroot, Amer. powd. bbls.....	lb	.05½	: .06
St. Vincent, powd. bbls.....	lb	.10½	: .11
Asafetida, USP, 250 lb cases.....	lb	.32	: .35
Powd., 50 lb bxs.....	lb	.60	: .62
BALM GILEAD BUDS, bags.....	lb	.43	: .45
Balmory Herb, bales.....	lb	.14	: .15

Bamboo Brier Root, bags.....	lb	.06	: .07
Barberry Bark, tree bales.....	lb	.22	: .24
Bayberry Bark, bales.....	lb	.11	: .12
Wax, bbls.....	lb	.28	: .30
Belladonna Leaves, bales.....	lb	..	: ..
Root, bags.....	lb	.11	: .12
Bees Wax, white bbls.....	lb	.37	: .38
Yellow, refined bbls.....	lb	.24	: .25
Crude, bags.....	lb	.20	: .22
Benzoin Gum, Siam, boxes.....	lb	1.40	: 1.60
Sumatra, 80 lb boxes.....	lb	.45	: .46
Berberis Aquifolium Root, bags.....	lb	.16	: .17
Beth Root, bags.....	lb	.18	: .20
Blackhaw Bark, root, bales.....	lb	.40	: .43
Tree, bales.....	lb	.18	: .19
Blood Root, bags.....	lb	.13	: .15
Blueflag Root, bags.....	lb	.23	: .25
Boneset Herb, bales.....	lb	.07	: .10
Borage Flowers, bales.....	lb	.28	: .30
Bryonia Root, bags.....	lb	.10	: .11
BUCHU LEAVES, short, 250 lb			
bales.....	lb	..	: 1.10
Less bales.....	lb	1.12	: 1.15
Long, bales.....	lb	..	: ..
Buckthorn Bark, bales.....	lb	.07½	: .08
Burdock Root, bags.....	lb	..	: ..
Burgundy Pitch, dom. 110 lb stands			
Gross for net.....	lb	..	: .05
Calabar Beans, bags.....	lb	.14	: .16
Calamus Root, bleached cases.....	lb	.40	: .42
Unbleached, bags.....	lb	.07½	: .08
Calendula Petals, imp. bales.....	lb	..	: .40
Calisaya Bark, bales.....	lb	.12	: .14
Camphor, see Chemicals			
Canary Seed, Morocco bags.....	lb	.06	: .06½
South American, bags.....	lb	.04½	: .04%
Candella Wax, bags.....	lb	..	: .35
Canella Alba Bark, bales.....	lb	.45	: .47
Cannabis, true imp. bags.....	lb	..	: 6.00
American (no assay) bales.....	lb	..	: .50
USP, bales.....	lb	1.50	: 2.00
Cantharides, Chinese cases.....	lb	..	: 1.10
Powd., boxes.....	lb	1.30	: 1.35

Cantharides, Russian, cases.....	lb	2.00	: 2.10
Powdered, boxes.....	lb	2.75	: 3.00
Caraway Seed, African bags.....	lb	..	: ..
Dutch, 100 lb bags.....	lb	.31	: .32
Cardamom bleached cases.....	lb	.90	: 1.15
Decorticated, cases.....	lb	.65	: .69
Green, grinding, bags.....	lb	.75	: .77
Carnauba Wax, Flor. bags.....	lb	.45	: .48
No. 1 N Country bags.....	lb	.40	: .43
No. 2 N Country bags.....	lb	.23	: .25
No. 3 Fatty Gray, bags.....	lb	.20	: .21
No. 3 Chalky, bags.....	lb	.16½	: .17
Cascara Amara, 150 lb bales.....	lb	.30	: .32
Cascara Sagrada, bales.....	lb	.14	: .15
Cascarilla Bark, quills bales.....	lb	.30	: .35
Siftings, bbls.....	lb	.20	: .25
Cassia Buds, 66 lb cases.....	lb	.13	: .14
China, select, mats cases.....	lb	.06	: .08
Saigon, assort. bales.....	lb	.25	: .25½
Cassia Fistula, baskets.....	lb	.10	: .11
Castor Beans, bags.....	lb	.03	: .03½
Castoreum, 1 lb bot.....	lb	..	: 4.00
Catechu Gum, bags.....	lb	.09	: .10
Catnip Herb, bales.....	lb	.12	: .15
Celery Seed, 220 lb bags.....	lb	.23	: .23½
Ceresin Wax, white bags.....	lb	.08½	: .09
Yellow, 200 lb bags.....	lb	.07½	: .08½
CHAMOMILE FLOWERS, Roman			
bales.....	lb	..	: 1.25
Hung. cases bales.....	lb	.19	: .20
Charcoal Willow, powd. bbls.....	lb	.06	: .07
Wood, powd. bbls.....	lb	.04	: .05
Chestnut Bark, bags.....	lb	.07	: .08
Herb, bales.....	lb	.06	: .06½
Chicle Gum, bags.....	lb	.80	: .90
Chiffetia, bales.....	lb	.13	: .14
Cinchona Bark, red quills bales.....	lb	.50	: .55
Broken, bales.....	lb	.12	: .13
Cinnamon, Ceylon, bales, bond.....	lb	.16	: .21
Civet, Abyssin horns.....	oz	2.75	: 2.85
Clover Tops, bags.....	lb	.10	: .12
Cloves, Zanzibar, 135 lb bales.....	lb	.31	: .32
Amboyas, bales.....	lb	..	: ..
Penang, bales.....	lb	..	: ..

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Cochineal, USP boxes.....lb	.40	: .45	Dogwood Bark, Jamaica bags.....lb	.10	: .11	Grindella Robusta Herb., bales...lb	...	: .10
Coca leaves, Huancoco bags.....lb	...	...	Flowers, bales.....lb	...	: .15	Guaiac Gum, 800 lb cases.....lb	.55	: .60
Truxillo, bags.....lb	.40	: .45	Doggrass Root, USP cut bags.....lb	.12	: .14	Guarana, tins, cases.....lb	.60	: 1.00
Cohosh Root, Black bags.....lb	.08	: .08½	Dragons Blood, mass cases.....lb	.60	: .62	Gum, see Arable Gum, etc.		
Blue, bags.....lb	.09	: .09½	Reeds, boxes.....lb	1.35	: 1.50	HELLEBORE ROOT,		
Colecium Root, bags.....lb	.6½	: .09	ECHINACEA ROOT, bags.....lb	.33	: .34	Black, pwd, bbls.....lb	...	: .14
Seed, bags.....lb	.11	: .12	Elecampane Root, bags.....lb	.09	: .10	White, bags.....lb	.12	: .14
Colombo Root, whole bags.....lb	.03	: .05	Elder Flowers, bales.....lb	.20	: .22	Powdered, 250 lb bbls.....lb	.15	: .17
Colocynth, apples, cases, bbls.....lb	.19	: .25	Elemi Gum, 89 lb cases.....lb	.10	: .12	Helonias Root, (unicorn false)		
Pulp, USP bales.....lb	.45	: .50	Elm, select, 5 lb bundles cases.....lb	.25	: .26	bags.....lb	.60	: .62
Coltsfoot Leaves, bags.....lb	.06	: .07	Grinding, bags.....lb	.10	: .12	Hemp Seed, Manchurian bags.....lb	.03%	: .04%
Comfrey Root, bags.....lb	.13	: .14	Powdered, bbls.....lb	.14	: .15	Chilian, bags.....lb	...	: ...
Condurango Bark, bales.....lb	.07½	: .08	ERGOT, 150-200 lb bags.....lb	.60	: .65	Henbane Leaves, bales.....lb	...	: .58
Conium Seeds, bags.....lb	...	: .16	Eucalyptus Leaves, bales.....lb	...	: .05	Henna Leaves, bales.....lb	.21	: .22
Copaiba Balsam Para 80 lb cases.....lb	.24	: .25	Euphorbia Pithulifera Herb, bags.....lb	...	: .15	Powdered.....lb	.23	: .24
S. Amer. 80 lb cases.....lb	.29	: .30	Euphorbium Gum, cases.....lb	...	: .35	Honey, Calif. 120 lb cases.....lb	.11	: .12
Copal Gum.....lb	.12	: .15	Powdered, boxes.....lb	...	: .40	Hops, N. Y. prime bales.....lb	.22	: .23
Coriander Seed, Bombay bags.....lb	...	...	Fennel Seed, French bags.....lb	.17	: .18	Pacific Coast prime bales.....lb	.19	: .20
Morocco, bags.....lb	.12½	: .13	German, bags.....lb	...	: .35	Horshound Herb, bales.....lb	...	: .11
Bleached, bags.....lb	.16	: .16½	Flax Seed, whole 180 lb bbls.....ea	12.00	: 12.25	Horsetail Rush, bags.....lb	...	: .15
Corn Silk, bales.....lb	.05	: .05½	Ground, 180 lb bbls.....lb	.06½	: .07	INDIA GUM, see Karaya		
Cotton Root Bark, bales.....lb	.13	: .14	Foenugreek Seed, 200 lb bags.....lb	.07	: .07½	Insect Flowers, open whole bales.....lb	...	: ...
Cramp Bark, so-called bales.....lb	...	: .08	Fir Balsam, Canada cans.....gal	10.75	: 11.00	Closed whole, bales.....lb	...	: ...
True, bags.....lb	...	: .40	Oregon, bbls, cans.....gal	1.50	: 1.75	Powdered, pure 200 lb bbls.....lb	.70	: .75
Cranesbill Root, bags.....lb	.10	: .11	Fish Berries, 100-125 lb bags.....lb	.03½	: .04	Flowers and stems, 50 p. e.		
CUBE BERRIES, XX bags.....lb	.82½	: .83	Fringe Tree Bark, bags.....lb	.17	: .18	200 lb bbls.....lb	.41	: .43
Powdered, boxes.....lb	.85	: .87½	GALANGAL ROOT, bags.....lb	.06	: .07	Ipecac Root Cartagena bags.....lb	...	: 1.50
Cumilo Seed, Levant bags.....lb	...	...	Gambier Gum, bags.....lb	.09½	: .09%	Powdered, 200 lb bbls. boxes.....lb	1.70	: 1.75
Morocco, bags.....lb	.35	: .37	Galbanum Gum, cans.....lb	1.20	: 1.35	Rio Whole, bags.....lb	...	: 1.50
Culvers Root, bags.....lb	.60	: .65	Gamboge Gum, 160 lb cases.....lb	1.15	: 1.20	Powdered, 200 lb bbls. boxes.....lb	1.70	: 1.75
Cuttlefish Bone, Trieste, straps.....lb	.19	: .20	Gelsemium Root, bags.....lb	.11	: .12	Isinglass, American, 130 lb cs.....lb	.65	: .70
Jewelers, large, straps.....lb	.45	: .55	Genian Root, bags.....lb	.08½	: .10%	Russian, (Beluga) box ctns.....lb	...	: 10.00
Small, straps.....lb	.35	: .45	Ginger, African, bags.....lb	.10½	: .11	JABORANDI LEAVES, bales.....lb	.25	: .26
French, straps.....lb	.19	: .20	Jamaica, grinding, bags bbls.....lb	.33	: .41	Jalap Root, whole 150 lb bags.....lb	...	: .35
Powdered, boxes.....lb	...	: .14	Japan, bags.....lb	.12½	: .13	Powdered, USP 250 lb bbls.....lb	.40	: .42
Broken, boxes.....lb	.07	: .08	Cochin, ABC & lemon, bags.....lb	.12½	: .13	Japan Wax, 224 lb cases.....lb	.14½	: .15
Damar Gum, 136 lb cases.....lb	.32	: .34	Ginseng Root, cultivated, bags.....lb	7.50	: 10.00	Job's Tears, white bags.....lb	.08	: .09
Damiana Leaves, bales.....lb	.11	: .13	Northwestern Wild, bags.....lb	12.00	: 15.00	Juniper Berries, 125 lb bags.....lb	.03	: .03½
Dandelion Root, Imp, bags.....lb	.09½	: .10	Southern Wild, bags.....lb	9.00	: 11.00	KAMALA, boxes.....lb	2.75	: 3.00
Deer Tongue Leaves, bales.....lb	.07½	: .08	Golden Seal Root, bags.....lb	3.20	: 3.25	Karaya Gum, powdered bbls.....lb	.15	: .30
Digitalis Leaves, bales.....lb	.06½	: .08	Powdered, boxes.....lb	3.60	: 3.75	Kava Kava Root, bags.....lb	.17	: .18
Dill Seed, bags.....lb	.10	: .10½	Grains of Paradise, bags.....lb	.12	: .14	Kino Gum, black cases.....lb	.50	: .55
						Kola Nuts, 150 lb bags.....lb	.05	: .06
						Koussou Flowers, bags.....lb	2.25	: 2.50

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Manufacturing Chemists and Exporters  
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## Crude Drugs

LADY SLIPPER ROOT, bags.....lb	.60	.62	Musk, pods Cabardine tins.....ca	16.00	17.00	Patchouli Leaves, bales.....lb	.22	.25
Larkspur Seed, bags.....lb	.40	.45	Tonquin.....os	22.00	25.00	Pepper, black Sling, bags.....lb	.09%	.10
Laurel Leaves, bales.....lb	..	.06	Grain Cab.....ca	25.00	26.00	White, bags.....lb	.13	.13%
Lavender Flowers, Ordinary.....lb	.25	.32	Tonquin.....os	35.00	38.00	Peppers, red Mombasa bags.....lb	.30	.31
Selected.....lb	.38	.40	Synthetic, see Chemicals.....lb	..	..	Cherries, bags.....lb	.16%	.17
Leeches, tubs.....Per 100	7.00	7.50	Musk Root, Russian bags.....lb	..	..	Bombay, bags.....lb	.15	.15%
Lemon Peel, bags.....lb	.09	.10	Mustard Seed, Bari brown bags.....lb	.07%	.08	Japan, bags.....lb	.35	.36
Licorice Root, Russian whole.....lb	.08%	.08%	Bombay, brown.....lb	.06%	.07	Peppercorn Herb, bales.....lb	.08	.14
Spanish, natural bales.....lb	.09	.10	California, brown.....lb	.07%	.08	Peppermint Leaves, imp. bales.....lb	..	.35
Powdered, bbls.....lb	.09	.10	Yellow.....lb	..	.08	Peru Balsam, 120 lb bags.....lb	2.00	2.10
Selected, 2 & 5 lb bundles.....lb	.18	.22	Chinese, yellow.....lb	.04	.04%	Pichl Leaves, bags.....lb	.19	.20
Cuttings, 125 lb bags.....lb	.09	.09%	English, yellow.....lb	.08	.09	Pimento, select bags.....lb	.04%	.04%
Life Everlasting Herbs, bales.....lb	.05	.06	Dutch, yellow.....lb	.08	.08%	Pink Root, true bags.....lb	..	1.25
Lime Juice, clarified bbls.....gal	.50	.60	Danish, yellow.....lb	.07%	.09	Pitch, Burgundy, see Burgundy Pitch.....lb	..	..
Linden Flowers, with leaves, bales.....lb	.22	.24	Myrrh Gum, select 200 lb cs.....lb	.50	.55	Pleurisy Root, bales.....lb	.22	.23
Without Leaves, bales.....lb	..	..	Sorts, cases.....lb	.45	.48	Plantain Leaves, bales.....lb	..	.15
Liverwort Leaves, bales.....lb	.30	.32	NUTGALLS, Chinese bags.....lb	.15	.16	Poke Berries, bags.....lb	..	.15
Lobelia Herb, bales.....lb	..	.32	Aleppy, bags.....lb	.14	.15	Poke Root, bags.....lb	.07	.07%
Lobelia Seed, bags.....lb	.55	.60	Nutmegs, 110s cases.....lb	.21	.22%	Pomegranate Bark, of root bags.....lb	..	.30
Lovage Root, Imported, bags.....lb	.18	.20	75s 80s cases.....lb	.25	.25%	Of Fruit, bags.....lb	..	.30
Lupulin, boxes.....lb	1.50	1.60	Nux Vomica Buttons, bags.....lb	.07	.07%	Poppy Flowers, red bags.....lb	.30	.35
Domestic.....lb	1.50	1.40	Powdered, 200 lb bbls.....lb	.11	.11%	Poppy Seed, Dutch bags.....lb	.15	.16
Lycopodium, 88 lb cs.....lb	.50	.52	OAK BARK, red bags.....lb	.05	.06	German, bags.....lb	.11%	.12
MACE, Shaw, No. 1 cases.....lb	.41%	.42	White, bags.....lb	.05	.06	Turkish, bags.....lb	.06	.08
Banda, No. 1 cases.....lb	.43	.44	Oilbanum Gum, sift 280 lb cases.....lb	.10%	.11	Blue Indian, bags.....lb	.08	.08%
Batavia, cases.....lb	.33	.36	Tears, 280 lb cases.....lb	.14%	.15	White Indian, bags.....lb	.07	.07%
Malva Flowers, blue bales.....lb	.80	.85	No. 1, all white, 280 lb cases.....lb	.24	.30	Prickly Ash Bark Southern, bags.....lb	.14	.14%
Black, bales.....lb	.85	1.00	Opium, gum USP cases.....lb	..	6.75	Northern, bags.....lb	.14	.14%
Manna, large flake cases.....lb	.58	.60	Granular, cans.....lb	..	7.75	Prickly Ash Berries, bags.....lb	.11	.13
Small flake, cases.....lb	.35	.35	Powdered, USP cases.....lb	..	7.75	Prince's Pine, bales.....lb	.14	.15
Sorts, cases.....lb	.33	.35	Orange Flowers, cases.....lb	..	1.00	Pulsatilla Herb, bags.....lb	.37	.40
Mandrake Root, bags.....lb	.17	.18	Orange Peel, bitter bags.....lb	.06	.06%	Pumpkin Seed, bags.....lb	.09	.12
Mastic Gum, 120 lb cases.....lb	.45	.48	Sweet, bags.....lb	.06%	.07	QUASSIA CHIPS, bags.....lb	.07%	.08
Mazoreon Bark, bags.....lb	.11	.13	Orris Root Florentine bold bags.....lb	.07	.08	Queen of the Meadow Herb, bags.....lb	.06	.06%
Matico Leaves, bales.....lb	.18	.20	Verona, bags.....lb	.05	.06	Quince Seed, bags.....lb	1.65	1.75
Marjoram Leaves, German bales.....lb	.22%	.23%	Powdered, 200 lb bbls.....lb	.08	.10	RAPE SEED, South Amer. bags.....lb	.06%	.07%
French, bales.....lb	.14	.15	Fingers, cases.....lb	.70	.75	Dutch, bags.....lb	.08%	.08%
Millet Seed, dom. yellow bags.....lb	.03%	.05	Ozokerite Wax, brown hard bags.....lb	.23	.24	Japanese, small, bags.....lb	.06%	.07%
Montan, Wax, crude bags.....lb	.04%	.05	Green, hard bags.....lb	.25	.26	Raspberries, dried boxes.....lb	.35	.40
Bleached.....lb	..	..	Reddred, yellow bags.....lb	..	..	Red Saunders.....lb	.17	.19
Moss, Iceland bales.....lb	.08	.09	PAPRIKA, bags.....lb	.16	.24	Rhatany Root, bags.....lb	.10	.11
Irish, bleached bales.....lb	.07	.09	Hungarian.....lb	.27	.28	RHUBARB, H. D. cases.....lb	.45	.46
Mullein Flowers, tins.....lb	.55	.60	Pareira Brava Root, bags.....lb	.19	.20	Powdered, 200 lb bbls.....lb	.50	.52
			Parsley Seed, bags.....lb	.09	.10	Rosemary Leaves, bales.....lb	.04	.05



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## Crude Drugs

Rosemary Flowers, cases bales....	.28	: .30	Snake Root, Canada natural bags..	.32	: .33	Tragacanth Gum, No. 1, ribbon,		
Rose Petals, pale .....	.22	: .25	Stripped, bags .....	.48	: .50	200 lb cs. ....	1.80	: 1.85
Red .....	..	: .60	SOAP BARK, whole, 150-200 lb			No. 2 to No. 6, cases .....	1.00	: 1.50
Rue Herb, bales.....	.30	: .35	bales .....	.06 1/4	: .07	200 lb boxes .....	1.00	: 1.50
SABADILLA SEED, bags.....	.10	: .12	Cut, 125-175 lb bags .....	.07 1/4	: .08	Turkish, cases .....	.75	: .90
Powder, bbls. ....	.13	: .14	Crushed, 200 lb bbls. ....	.08 1/4	: .09	Turmeric Root, Madras bags.....	.07	: .07 1/4
Saffron Flowers, Amer. bales.....	1.40	: 1.45	Powdered, 200 lb bbls. ....	.13	: .14	Aleppy, bags .....	.06 1/4	: .06 3/4
Valencia 1 lb cans.....	34.00	: 35.00	Spearmint Leaves, American bales..	.23	: .24	China, bags .....	.05 1/4	: .06
Sage, Dalmatian bales.....	.05 1/4	: .06 1/4	Spermaceti, blocks cakes cases...	.36	: .37	Turpentine, Venice, true 80 lb cs..	.25	: .26
Greek, bales .....	.03 1/4	: .04	Spikenard Root, bags .....	.15	: .16	Artificial, 80 lb cases.....	.11	: .12
Spanish, bales .....	.03	: .04	Spruce Gum, boxes .....	1.00	: 1.50	Spirits, see Naval Stores		
Sandalwood, chips bags.....	..	: .35	Squaw Vine, bales.....	.16	: .17	UNICORN ROOT, false, see Helonias		
Ground, bags .....	..	: .40	Squill Root, white bags.....	.04	: .04 1/4	True, see Aletris		
Sandarac Gum, 300 lb bbls.....	.23	: .25	Stavesacre Seed, bags.....	.28	: .29	Uva Ursi Leaves, bales.....	.05 1/4	: .06
Sarsaparilla, Honduras bales.....	.49	: .50	Stillingia Root, bags.....	.09	: .09 1/4	VALERIAN ROOT, Belgian bags..	.12	: .14
Mexican, bales .....	.22	: .23	Stone Root, bags.....	.09	: .10	Vanilla Beans Mex. whole cases..	10.00	: 12.00
Sassafras Bark, ordinary bales..	.10	: .14	Storax, liquid artif.....	.70	: .75	Cuts, cases .....	7.00	: 7.25
Select, bales .....	.20	: .22	Gen. USP .....	.90	: 1.00	Bourbon, cases .....	2.75	: 3.25
Savory Leaves, bales.....	.09 1/4	: .10	St. Ignatius Beans, bags.....	.22	: .23	South American, cases.....	7.00	: 7.25
Saw Palmetto Berries, bags.....	.12	: .13	St. John's Bread, bags.....	.03	: .06	Tahiti, yellow label cases.....	1.80	: 2.00
Scammony Resin, boxes.....	1.00	: 1.10	Stramonium Leaves, bales.....	.07 1/4	: .08	Green Label cases.....	1.80	: 2.00
Scammony Root, bags.....	.05	: .06	Stramonium Seed, bags.....	.12	: .13	Violet Flowers, bags.....	.65	: .70
Senega Root, bags.....	.75	: .80	Strophanthus Seed, Hlupidus.....	..	: ..	WAHOO BARK, of root bags.....	..	: 1.25
SENNA, Alex, 150 lb cases.....	.32	: .35	Kombe, bags .....	.30	: .35	Of Tree, bags.....	.40	: .42
Half Leaf, 350 lb bales.....	.14	: .17	Sunflower Seed, domestic bags....	.07	: .07 1/4	White Pine Bark, rosed, bags....	.06	: .07
Siftings, 400 lb bales.....	.09	: .09 1/4	South American, bags.....	.07	: .07 1/4	White Poplar Bark, bags.....	.04	: .05
Powdered, 200 lb bbls. ....	.12	: .13	TAGALDER BARK, bags.....	.05	: .05 1/4	Wild Cherry Bark, thin green		
Tinnerelly, Job. 350 lb bales..	.10	: .14	Tamarinds, bbls. ....	.04 1/4	: .05	Rosed, bales .....	.10	: .13
Grinding, 350 lb bales.....	.05	: .08	Kegs .....	3.25	: 3.50	Thick Rosed, bales.....	.07	: .07 1/4
Pods, 350 lb bales.....	.06 1/4	: .07 1/4	Tansy Herb, bales .....	.14	: .15	Thin Natural, bales.....	.08	: .08 1/4
Powdered, 200 lb bbls.....	.08	: .09	Tar, Barbadoes, 50 gal. bbls. gal.	1.60	: 1.75	Thick Natural, bales.....	.04 1/4	: .05
Serpentaria Root, bags.....	.85	: .90	Thus Gum, bbls.....	5.50	: 6.00	Willow, bark bags.....	..	: .06
Shellac, T.N., bags.....	.75	: .78	Thyme, Spanish bales.....	..	: .08	White, bags .....	..	: .15
Superfine Orange, bags.....	..	: .84	French, bales .....	.11	: .12	Witch Hazel Bark, bags.....	..	: .06
D. C., bags .....	..	: 1.00	Thilia. See Linden			Witch Hazel Leaves, bags.....	..	: .07 1/4
V. S. O., cases .....	..	: .95	Tolu Balsam, 90 lb cases.....	.75	: .80	Worm Seed, American bags.....	.08 1/4	: .09
Pwd. reg. 350 lb bbls.....	..	: .80	Tonga Bark, bags.....	.30	: .31	Levant bags .....	3.25	: 3.50
Regular Bleached, 350 lb bbls..	.75	: .77	Tonka Beans, Angostura cases..	2.15	: 2.25	Wormwood Herb, imported bales..	..	: .09
Bone Dry, 350 lb bbls.....	..	: .80	Para, cases .....	.80	: .85	Yacca Gum, red .....	.04	: .04 1/4
Simaruba Bark, bales.....	.11	: .12	Surinam, cases .....	.85	: .85	Ground .....	.05 1/4	: .06 1/4
Sideritis Herb, cut bags.....	..	: .22				YELLOW DOCK ROOT, bags.....	.13	: .15
Skullcap Leaves, bales .....	..	: .58				Yellow Parilla Root, bags.....	.16	: .17
Stoe Berries, bags.....	.68	: .84				Yerba Santa, bags.....	.10	: .11
						Zedoary Root, bags.....	.10	: .11

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## Essential Oils

## Essential Oils

Almond, Bitter USP 5 lb. bots.	3.75	4.00
Bitter ff PA 5 lb. bots.	3.75	4.00
Artificial (See Benzaldehyde-Chemicals)		
Sweet, 5 lb. cans.	.40	.45
Peach Kernel, 55 lb. tins.	.25	.27
Apricot, see Peach Kernel		
Amber, crude 25 lb. tins.	.75	.80
Rectified, 25 lb. tins.	1.00	1.10
Angelica Root, 1 lb. bot.	38.00	39.00
Seed, 1 lb. bot.	36.00	38.00
ANISE, Tech., 66 lb. case.	.50	.55
USP 50 lb. tins.	.55	.60
Bay, 25 lb. tins.	2.50	2.60
Bergamot, USP, 25 lb. coppers.	3.00	3.10
Artificial, 25 lb. cans.	2.25	2.50
Birch Tar, rect. 5 lb. bot.	1.50	
Crude, 50 lb. tins.	1.00	
Bois de Rose, 25 lb. tins.	2.30	2.50
Cade, USP, 25 lb. tins.	.45	.50
USP, 5 lb. bot.	.55	.60
Calajut, native 50 lb. tins.	.72	.75
Calamus, 5 lb. bot.	4.25	4.75
Camphor, heavy, 1000 lb. drums.	11 1/4	12
Japanese, white, 72 lb. cases.	.15	.17
Chinese, white 1000 lb. drums.	.15	.17
Cananga, Native 25 lb. tins.	2.25	2.50
Rectified, 25 lb. tins.	2.50	2.75
Caraway, USP rec. 25 lb. tins.	6.25	6.50
Crude, 50 lb. tins.	13.00	14.00
Cardamom, USP 1 lb. bot.	8.50	9.00
Carrot, 5 lb. bot.	8.50	9.00
CASSIA, 75-80 p.c. 66 lb. cases.	2.15	2.25
Redistilled, USP 50 lb. cans.	.85	1.00
Cedar Leaf, 50 lb. tins.	.25	.28
Cedar Wood, light 1000 lb. drums.	9.00	10.00
Celery, 1 lb. bot.	12.00	15.00
Cinnamon, Ceylon 1 lb. bot.	5.5	.57
Leaf, 5 lb. bot.	.85	.60
CITRONELLA, Ceylon, 1000 lb. drs.	.80	.85
50 lb. tins.	.85	.90
Java, 400 lb. drums.	2.00	2.10
50 lb. tins.	2.10	2.20
Cloves, USP, 50 lb. cans.		
6 lb. bot.		

Copaiba, USP 50 lb. tins.	.40	.45
Coriander, USP 1 lb. bot.	22.00	23.00
Croton, USP 25 lb. tins.	1.00	1.10
Cubebs, USP 5 lb. bot.	5.75	6.00
Cumin, 1 lb. bot.	12.50	15.00
Dill, 1 lb. bot.	4.75	5.00
Erigeron, 20 lb. tins.	1.00	1.10
EUCALYPTUS, Austl. USP		
56 lb. cs.	.42	.45
500 lb. drums	1.20	1.30
Fennel USP, 25 lb. tins.	8.50	9.50
Geranium, Algerian 25 lb. tins.	7.00	7.50
Bourbon, 25 lb. tins.	4.50	5.00
Turkish, 28 lb. tins.	5.25	5.50
Ginger, 1 lb. bot.	2.75	3.00
Gingergrass, 28 lb. tins.	1.10	1.25
Hemlock, 50 lb. cans.	.50	.60
Juniper Berries, USP 25 lb. tins.	2.75	3.50
Wood, 50 lb. tins.	.70	.80
Lavender, USP, 28 lb. tins.	.70	.85
Spike, Spanish 50 lb. cans.	.75	.85
LEMON, Ital. USP, 25 lb. tins.	.75	.85
American, USP, 25 lb. tins.	1.65	1.75
Lemongrass, native, 50 lb. cans.	.50	.55
Limes, express 25 lb. tins.	2.15	2.35
Distilled 25 lb. tins.	.95	1.05
Linaloe, Mex. 80 lb. cases.		
Mace, distilled 50 lb. tins.		
Mirbane, ref., see Ar. Chemicals		
Mustard, USP, 1 lb. bot.	17.00	
Artif., USP, 5 lb. bot.	2.50	2.75
100 lb. cases	2.25	
Neroli, Bigarade, 1/2 and 1 lb. bot.	75.00	100.00
Petale, 1 lb. bot.	90.00	115.00
Artificial, 1 lb. bot.	10.00	25.00
Nutmeg, USP, 25 lb. tins.	.85	.90
Orange, bitter 25 lb. tins.	1.90	2.00
Sweet, W. Ind., 25 lb. tins.	2.25	2.40
Italian, 25 lb. esp.	2.35	2.50
American, 25 lb. tins.	2.70	2.80
Origanum, 50 lb. cans.	.25	.30
Parsley, 1 lb. bot.	5.00	5.50
Patchouli, 5 lb. bot.	8.00	8.50
Pennyroyal, dom 25 lb. tins.	1.95	2.25
Imported, 25 lb. tins.	1.65	1.75
PEPPERMINT, nat. 60 lb. cases.	3.00	3.10
Redist., USP, 60 lb. cases.	3.25	3.35

Petit Grain, S. Am. 25 lb. tins.	1.60	1.75
French, 1 lb. bot.	7.50	8.00
Pimento, 25 lb. tins.	1.75	1.90
Pinus Sylvestris, 25 lb. tins.	1.75	1.90
Pumilio, USP 25 lb. tins.	2.75	
Rose, Fr., 8, 16 & 32 oz pkgs.	9.00	
Bulg., 8, 16 & 32 oz pkgs.	5.50	6.00
Artificial, 1 lb. bot.	2.00	3.00
Rosemary, USP, 27 1/2 lb. tins.	.45	.48
1000 lb. drums	4.25	4.50
Tech., 27 1/2 lb. tins.	.40	.45
Rue, 1 lb. bot.	4.25	4.50
Sandalwood, E. Ind. USP, 40 lb. cases	7.00	7.25
W. Indian, (Amgris) 25 lb. tins.	3.75	3.90
Sassafras, USP 50 lb. cans.	.90	1.00
Artificial, 63 lb. cans, 1000 lb. drs.	.42	.45
Savin, 5 lb. tins.	3.25	3.50
Spearmint, USP 60 lb. cases.	2.30	2.40
Spruce, 50 lb. tins.	8.00	8.50
Tansy Amer., 20 lb. tins.	24 1/4	.26
Tar, 50 gal. bbls.		
Refined, USP 25 lb. tins.	.90	1.00
Thyme, red, USP 25 lb. tins.	1.10	1.15
White, USP 25 lb. tins.	.85	.90
Crude, 110 lb. drums.	5.50	6.00
Vetiver, Bourbon 1 lb. bot.	24.00	27.00
Java, 1 lb. bot.		2.75
Wine, heavy 1 lb. bot.		
WINTERGREEN.		
Sweet bch, 25 lb. tins.	2.00	3.00
Synthetic, true 25 lb. tins.	4.00	7.00
Synthetic, USP 50 lb. cases.	.57	
Wormseed, Balt., USP, 25 lb. tins.	4.00	4.25
Wormwood, dom., 25 lb. tins.	8.00	8.50
Ylang Ylang, Bourbon 10 lb. tins.	6.50	7.00
Manila, 1 lb. bot.	30.00	35.00
Artificial, 1 lb. bot.	10.00	12.00

## OLEORESINS

Aspidium, USP 1 lb. bot.	2.75	3.00
Capileum, USP, 5 lb. bot.	2.25	2.50
Cubebs, USP 1 lb. bot.	5.20	5.30
Ginger, 5 lb. bot.	2.50	2.85
Malefern, See Aspidium		
Mullein (so-called) 1 lb. bot.	1.50	
Orris, 1 lb. bot.	18.00	
Pepper, black, USP, 1 lb. bot.	3.50	4.00
Vanilla, 1 lb. bot.	9.00	9.50

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## Aromatic Chemicals

## NATURAL DERIVATIVES

Anethol, 25 lb bot.....	D	1.60	: 2.00
Borneol, 1 lb bot.....	D	...	: 3.50
Citronellal, 1 lb bot.....	D	2.00	: 2.25
CITRAL, 25 lb cans.....	D	2.75	: 3.00
EUCALYPTOL, USP, 25 lb cans.....	D	.80	: .85
Eugenol, USP, 25 lb cans.....	D	3.50	: 3.75
Geraniol, Domestic, 50 lb cans.....	D	2.75	: 3.25
Imported, 5 lb bot.....	D	3.25	: 3.75
Iso-Eugenol, 1 lb bot.....	D	4.25	: 4.50
Linalool, 5 lb bot.....	D	4.50	: 4.75
MENTHOL, 60 lb cases.....	D	...	: 10.00
Less cases, 5 lb cans.....	D	10.50	: 11.00
Rhodinol, 1 lb bot.....	D	15.00	: 16.00
SAFROL, 60 lb cans.....	D	.55	: .60
Thymol, USP, 10 lb cans.....	D	4.00	: 4.25

## SYNTHETIC AROMATICS

Acetaldehyde, 50% sol pure, 5 lb bot.....	D	1.75	: 2.00
Acetophenone CP, 1 lb bot.....	D	4.00	: 4.25
Amyl Acetate, pure, 5 gal cans.....	gal	5.00	: 6.00
Amyl Butyrate, 1 lb bot.....	D	2.00	: 2.10
Amyl Formate, 1 lb bot.....	D	1.75	: 2.00
AMYL SALICYLATE, 100 lb chys.....	lb	1.45	: 1.60
Anisic Aldehyde, 1 lb bot.....	D	4.00	: 4.50
BENZALDEHYDE, USP, 40 lb chys.....	lb	1.40	: 1.50
FFC, 40 lb chys.....	lb	1.70	: 1.80
Benzole Ether, See Ethyl Benzoate			
Benzyl Acetate, 100 lb chys.....	lb	1.50	: 1.65
Benzyl Alcohol, 5 lb bot.....	D	1.25	: 1.50
BENZYL BENZOATE, 5 lb bot.....	D	1.85	: 2.00
Medicinal FFC.....	D	2.10	: 2.20
Benzyl Formate, 1 lb bot.....	D	2.50	: 3.00
Bromstyrol, 25 lb kegs.....	D	4.00	: 4.25

Butyric Ether, See Ethyl Butyrate			
Cinnamic Acid, 5 lb cans.....	D	2.75	: 3.00
Cinnamic Alcohol, Liquid 1 lb bot.....	D	15.00	: 16.00
Crystallizable.....	D	20.00	: 21.00
Cinnamic Aldehyde, 1 lb bot.....	D	3.75	: 4.00
CITRONELLLOL, 1 lb bot.....	D	8.00	: 12.00
COUMARIN, 25 lb cans.....	D	4.00	: 4.25
DIETHYL PHTHALATE, 25 lb cans.....	D	.85	: .90
Diphenyl oxide, 25 lb tins.....	D	.85	: .90
Ethyl Acetate, pure, 5 lb bot.....	D	.45	: .50
Ethyl Benzoate, 5 lb bot.....	D	1.85	: 2.09
Ethyl Butyrate, 5 lb bot.....	D	2.00	: 2.25
Ethyl Cinnamate, 1 lb bot.....	D	5.50	: 5.75
Ethyl Formate, 5 lb bot.....	D	.95	: 1.00
Ethyl Valerate, 5 lb bot.....	D	4.50	: 4.75
Formic Ether, See Ethyl Formate			
Geranyl Acetate, 1 lb bot.....	D	5.00	: 5.25
Hellotropin, 10 lb bot.....	D	2.50	: 2.75
Indol, CP, 1 oz bot.....	oz	8.50	: 9.00
Ionone, 1 lb bot.....	D	5.50	: 8.00
Linalyl Acetate, 1 lb bot.....	D	6.00	: 8.75
Linalyl Benzoate, 1 lb bot.....	D	13.00	: 14.00
METHYL ANTHRANILATE, 1 lb bot.....	D	4.00	: 4.50
Methyl Cinnamate, 1 lb bot.....	D	5.00	: 5.25
Methyl Paracresol, 1 lb bot.....	D	8.00	: 9.00
METHYL SALICYLATE, USP 500 lb			
drums.....	D	...	: .55
50 lb cases.....	D	...	: .57
Second Hands.....	D	.50	: .52
Mirbane, rect. 1000 lb drums.....	D	12 1/2	: 14
Musk Ambrette, 1 lb cans.....	D	15.00	: 16.00
Musk Ketone, 1 lb cans.....	D	14.00	: 14.50
Musk Xylene, 5 lb cans.....	D	3.25	: 3.50
Nerolin, 1 lb cans.....	D	1.75	: 2.00
Phenylacetaldehyde, CP, 1 lb bot.....	D	9.00	: 11.00
50 p.c.....	D	4.00	: 6.00
Phenylacetic Acid, 1 lb bot.....	D	3.00	: 4.00
PHENYLETHYLALCOHOL dom.,			
1 lb bot.....	D	7.00	: 9.00
Imported.....	D	...	: 12.50
Phenylpropylalcohol, 1 lb bot.....	D	15.00	: 16.00

TERPINEOL, CP, 1000 lb drums.....	D	.50	: .60
Cans 50 lb.....	D	.55	: .60
Imported, 25 lb cans.....	D	.70	: .75
Terpinyl Acetate, 25 lb cans.....	D	1.75	: 2.00
VANILLIN, USP, 400 oz cans.....	oz	.43	: .45
Cans, 16 oz, 80 oz.....	oz	.45	: .46
Second Hands, cans.....	oz	.43	: .47
Valerianic Ether, See Ethyl Valerate			
Yara Yara, 1 lb cans.....	oz	2.00	: 2.50

## PERFUMERS' SUNDRIES

Almond Meal, 25 lb cans.....	lb	.25	: .27
Ambergris, black, bxs.....	oz	...	: 8.00
Ambergris, gray, bxs.....	oz	...	: 28.00
Balsam Copaiba, Para, 80 lb cases.....	lb	.24	: .25
South American, 80 lb cases.....	lb	.29	: .30
Balsam Peru, 60 lb cans.....	lb	2.00	: 2.10
Balsam Tolu, 90 lb cases.....	lb	.75	: .80
Benzoin Gum, Siam, bxs.....	lb	1.40	: 1.60
Castoreum, 1 lb bot.....	lb	4.00	: 4.50
Civet Abyssin horns.....	oz	.04 1/2	: .05
Cherry Laurel Water, 5 gal cans.....	gal	1.15	: 1.25
Civet Abyssin horns.....	oz	2.65	: 2.80
Labdanum, 5 lb bot.....	lb	...	: 8.00
Lanolin hydrous, 350 lb bbls.....	lb	.18	: .20
Anhydrous, 350 lb bbls.....	lb	.22	: .24
Musk pods, Cabardine, tins.....	oz	16.00	: 17.00
Tonquin, tins.....	oz	22.00	: 25.00
Grains, Cabardine, tins.....	oz	25.00	: 26.00
Tonquin, tins.....	oz	35.00	: 38.00
Synthetic, See Aromatic Chemicals			
Orris Rt Flor, powd bbls.....	lb	.09	: .10
Verona, bbls.....	lb	.09	: .10
Rice Starch, 140 lb bgs.....	lb	.09	: .10
Rose Water, 5 gal chys.....	gal	1.15	: 1.25
Sandalwood chips, powd, bags.....	lb	.35	: .40
Saponin, 5 lb tins.....	lb	1.50	: 1.75
Talc Italian, 220 lb bgs.....	ton	30.00	: 40.00
Talc French, 220 lb bags.....	ton	20.00	: 30.00
Talc, domestic ref., 100 lb bags.....	ton	20.00	: 30.00

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# Imports of Chemicals, Dyestuffs, Drugs, etc.

Imports at New York, Dec. 16 to Dec. 23

**ACIDS**—3 cs., Order, Antwerp; **Arsenious**, 95 bbls., Amer. Metal Co., Tampico; **Stearic**, 20 cs., M. W. Parsons & Plymouth Organic Club, Rotterdam  
**ALOES**—32 cs., R. Desvernine, Curacao  
**AMMONIUM SALTS**—**Perchlorate**, 1,150 cs., Order, Genoa  
**ARSENIC**—101 csks., Order, Antwerp; **Red Powder**, 150 csks., A. Klipstein & Co., Rotterdam; **White**, 120 bbls., Brown Bros. & Co., Antwerp  
**BALSAM**—**Copaiba**, 9 drs., Colonial Bank of London, Ciudad Bolivar; **Tolu**, 45 cs., Neuss Hesslein Co., Puerto Colombia  
**BARIUM**—**Carbonate**, 85 csks., E. M. Sergeant Co., Rotterdam; **Chloride**, 23 csks., Order, Antwerp; **Nitrate**, 37 csks., Kuttroff Pickhardt & Co., Rotterdam  
**BARK**—28 bbls., Cohen & Co., Vera Cruz; 16 pkgs., W. T. Shay, Havana; **Quillay**, 81 bbls., W. R. Grace & Co., Valparaiso; **Wattle**, 580 bbs., Nat. City Bank, Durban; 3,500 bbs., 5,180 bbls., Order, Durban  
**BERRIES**—**Juniper**, 300 csks., Order, Leghorn  
**BLUE**—500 bbs., C. B. Hewitt Bros., Valparaiso  
**BONE MEAL**—2,000 bbs., Order, Madras  
**BUTTON LAC**—100 chests, Order, London  
**CALCIUM**—2 pkgs., Order, Hamburg; **Carbide**, 200 drs., Order, Antwerp

**CARBON**—**Decolorizing**, 442 bbs., L. A. Salomon & Bros., Rotterdam; **Slack**, 7 bbls., Order, London  
**CASEIN**—**Lactic**, 1,000 bbs., Order, Melbourne  
**CHALK**—1,000 bbs., Mediterranean & General Traders, Inc., Antwerp; 4 bbs., F. & R. Trdg. Corp., Rotterdam; Several pkgs., Bankers Trust Co., Antwerp; 850 bbs., Banque Belge Et'ranger, Antwerp; 2,290 bbs., 80 bbls., Bankers Trust Co., Antwerp; 500 bbs., Baring Bros. & Co., London  
**CHEMICAL MANURE**—50 bbs., P. Henderson & Co., London; 35 bbs., W. E. Marshall & Co., London; 38 bbs., Vaughans Seed Store, London  
**CINCHONIDINE**—3 cs., R. W. Greeff & Co., Rotterdam; 2 cs., Order, Rotterdam  
**CLAY**—100 tons, J. W. Hampton, Jr. & Co., London; **Blue**, 34 csks., M. Greenbaum, Rotterdam  
**COLORS**—11 csks., Order, Antwerp; 24 csks., Kuttroff Pickhardt & Co., Rotterdam; 4 pkgs., W. Van Doorn, Rotterdam; 2 csks., Order, Rotterdam; 10 csks., Order, London; 20 csks., Geigy Co., Antwerp; 3 csks., J. A. McNulty, Liverpool; **Alizarine**, 23 csks., Kuttroff Pickhardt & Co., Rotterdam; 12 csks., H. A. Metz & Co., Rotterdam; 2 csks., Kuttroff Pickhardt & Co., Rotterdam; **Bronze Powder**, 1 cse., Amer. Exp. Co.,

Hamburg; **Coal Tar**, 13 csks., H. A. Metz & Co., Rotterdam; 10 csks., H. A. Metz & Co., Rotterdam; **Earth**, 9 cs., Brown & Roese, Rotterdam; 1 cse., Pomeroy & Fisher, London; **Indigo**, 10 chests, Brown Bros. & Co., London  
**COPPER**—**Sulfate**, 185 csks., Roessler & Hasslacher Chem. Co., Antwerp; 200 csks., Nitrate Agencies, Liverpool  
**CUTTLEFISH BONES**—49 cs., M. Roffo, Genoa; 311 bkts., Order, Vera Cruz; 708 bkts., Order, Bordeaux  
**DEXTRINE**—250 bbs., Stein Hall & Co., Rotterdam  
**DIVI DIVI**—828 bbs., Paris & Co., Curacao; 1272 bbs., Suzarte & Whitney, Curacao  
**DRAGON'S BLOOD**—12 cs., Brown Bros. & Co., London  
**DRIED BLOOD**—1,810 bbs., H. J. Baker & Bros., Buenos Aires  
**EARTH**—110 bbls., Reichard Coulston, Leghorn; 1 cse., A. V. Veach, Port Limon; 24 bbs., Order, London; **Calcined**, 52 bbs., L. Scott Hibby & Co., Trieste; **Sienna**, 153 csks., Reichard Coulston, Inc., Genoa  
**EMERY POWDER**—50 bbls., Order, London  
**ERGOT**—17 bbs., 3 cs., G. W. Sheldon & Co., Hamburg  
**ETHER**—10 cs., E. R. Squibb & Son, Havana

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**FERRO-MANGANESE**—60 tons, Croker Bros., Liverpool

**FLOWERS**—6 bls., Order, Trieste; **Chamomile**, 3 bls., First Nat. Bank of Minn., London; 20 bls., McLaughlin Gormley & King Co., Antwerp; **Insect**, 37 bls., Order, Trieste

**FULLER'S EARTH**—750 bgs., L. A. Salomon, London; 400 bgs., R. J. Waddell & Co., Hull

**GELATINE**—22 cs., P. C. Zuhlke, Rotterdam; 20 cs., Pfaltz & Bauer, Antwerp; 35 bbls., Amer. Exp. Co., Liverpool

**GLUE**—191 bbls., Britt. Bank of So. Amer., Antwerp; 1,000 sks., W. R. Grace & Co., Valparaiso; 150 bgs., Order, London

**GLUESTOCK**—133 bbls., Brown Bros. & Co., Leghorn

**GLYCERIN**—44 drs., Order, Antwerp; 20 sks., Order, Bordeaux

**GUM**—37 bbls., Order, Bordeaux; 100 bgs., Order, Port Sudan; 500 bgs., Brit. Bank of So. Africa, Port Sudan; 300 bgs., Brown Bros. & Co., Port Sudan; **Arabic**, 160 bgs., Order, London; 821 cs., Order, Liverpool; 725 bgs., T. M. Duché & Sons, Port Sudan; **Chicle**, 45 cs., Wrigley, Jr. & Co., Barcelona; 90 bgs., Order, Ciudad Bolivar; 9 bls., Gomez & Sloan, Vera Cruz; 31 bls., H. Trieste & Co., Vera Cruz; 23 bgs., J. A. Medina & Co., Vera Cruz; 190 bls., Chicle Dev. Co., Vera Cruz; **Copal**, 48 bgs., Order, Antwerp; 15 bgs., S. Winterbourne & Co., London; 185 bgs., Chem. Nat. Bank, Antwerp; 42 bgs., Order, Antwerp; **Hashab**, 250 bgs., T. M. Duché & Sons, Port Sudan; **Olibanum**, 17 cs., Order, London; **Myrrh**, 12 cs., First Nat. Bank of Minn., London; 2 bbls., Peek & Velsor, London; **Tragacanth**, 6 cs., G. Gulbenkian & Co., Constantinople; 11 cs., Brown Bros. & Co., Southampton

**HEMATINE CRYSTALS**—10 bbls., Logwood Mfg. Corp., Cape Haitien

**HERBS**—23 bls., Reed & Keller, Leghorn; 12 bbls., Lionella & Perez & Co., Leghorn; 85 bbls., Bernard Judae & Co., Leghorn; 7 bls., 54 bls., Kuechler & Co., Trieste; 3 bls., Order, Trieste; 22 bls., Order, Bordeaux

**HOPS**—20 bbls., Globe Shpg. Co., Rotterdam

**HYDROGEN PEROXIDE**—64 carboys, Order, Antwerp

**INSECTICIDE**—2 cs., Maltus & Ware, London

**IRON CHLORIDE**—50 sks., Philipp Bros., Inc., Rotterdam

**IRON OXIDE**—1 csc., J. M. Rabassa, Barcelona; 567 sks., Order, Liverpool; 30 sks., J. A. McNulty, Liverpool; 308 sks., Hummel & Robinson, Malaga; 104 sks., C. K. Williams, Malaga; 129 bbls., Reichard Coulston, Malaga; 40 bbls., L. H. Butcher & Co., Malaga; 135 bbls., E. M. & F. Waldo, Malaga

**LEAVES—Banana**, 2 bbls., Order, Ponce;

**Coca**, 50 bls., Maywood Chem. Wks., So. Amer. Ports; **Henna**, 60 bgs., E. Amber & Co., Alexandria; 66 bgs., Order, Alexandria; **Laurel**, 9 bls., Kuechler & Co., Trieste; **Sage**, 183 bls., Kuechler & Co., Trieste; 25 bls., A. Stallman & Co., Trieste; 188 bls., Kuechler & Co., Trieste; 15 bls., A. Joensson & Co., Trieste; 68 bls., Kuechler & Co., Trieste; 45 bls., Order, Trieste

**LICORICE—Paste**, 50 cs., Order, Catania

**LITHOPONE**—3 sks., Standard Textile Products Co., Antwerp; 800 sks., B. Moore & Co., Antwerp

**LYCOPodium**—2 bls., Order, Hamburg

**MAGNESITE—Lump**, 4,800 bgs., Order, Madras

**MENTHOL**—18 cs., Standard Bank of So. Africa, London; 10 cs., Baring Bros. & Co., Southampton

**MINERAL BORAX**—200 bgs., Pacific Coast Borax Co., Leghorn

**NAPHTHALENE**—1,028 bgs., Irving Nat. Bk., Liverpool

**OILS—Church**, 10 sks., Hensel Bruckmann & Lorbacher, Rotterdam; **Coconut**, 37 pipes, Order, Cochín; 71 hds., Order, Cochín; **Codliver**, 50 bbls., Order, Rotterdam; **Oliver**, 20 cs., I. Tessa, Genoa; 4 cs., C. Micozzi, Genoa; 100 bbls., Order, Palermo; 100 bbls., Brown Bros. & Co., Seville; 700 cs., E. La Montague Co., Bordeaux; 250 pipes, Equit. Trust Co., Malaga; 100 cs., Scaramelli & Co., Malaga; 102 cs., F. H. Leggett Co., Malaga; 1,100 cs., Bank of Italy, Malaga; 592 cs., A. E. Rittwagen, Malaga; 120 bbls., J. Garneau, Malaga; 600 pkgs., F. Romeo & Co., Malaga; 100 bbls., Lazard Freres, Barcelona; 95 bbls., Order, Barcelona; 60

bbls., Order, Seville; 85 cs., Order, Genoa; 5 pkgs., Van Oppen & Co., Catania; 15 pkgs., Columbo Co., Catania; 19 pkgs., A. Motta, Catania; 151 pkgs., A. A. Gallo, Catania; 61 pkgs., Columbo Co., Palermo; 47 sks., G. Uddo, Palermo; 11 pkgs., C. B. Richard & Co., Palermo; 75 cs., G. W. Sheldon & Co., Leghorn; 80 cs., F. H. Leggett & Co., Leghorn; 350 cs., A. Morici & Co., Leghorn; 430 cs., Pardo Morici & Co., Leghorn; 230 bbls., M. Zaminstein, Leghorn; **Sulfur**, 400 bbls., Phila. Nat. Bank, Leghorn; 100 bbls., Corn Exch. Nat. Bank, Leghorn; 138 bbls., Order, Leghorn; 200 bbls., Tradesman Nat. Bank, Leghorn; 60 bbls., Order, Leghorn; 100 sks., Banca Comm'l Italo, Catania; **Palm**, 120 sks., Bank of Brit. W. Africa, Liverpool; 576 drs., Niger Co., Liverpool; 398 pkgs., Order, Hull; **Rape**, 150 bbls., Order, Hull; 249 bbls., Nat. City Bank, Hull; 200 bbls., Vacuum Oil Co., Hull; **Vegetable**, 5 bbls., Order, Barcelona; 2 bbls., Order, Seville; **Whale**, 10 bbls., Redden & Martin, Rotterdam

**OILS ESSENTIAL**—7 cs., J. W. Lyon Co., Rotterdam; 19 cs., 1 bbl., Polaks Frutal Works, Rotterdam; 3 sks., Order, London; 4 cs., Order, Palermo; 100 bbls., First Nat. Bank Boston, Seville; 100 bbls., J. De Redow, Seville; 1 csk., Amer. Exp. Co., Bordeaux; 17 cs., Order, Malaga; **Citronella**, 1 drum, Order, Colombo; 1 drum, Brown Bros. & Co., Colombo; **Eucalyptus**, 100 cs., 95 drs., Order, Melbourne; **Lemon**, 100 cs., Order, Messina; **Lemongrass**, 7 drs., Amer. Exch. Nat. Bank, Cochín; **Mustard**, Artificial, 2 cs., Magnus Mabec & Reynard, Rotterdam; **Orange**, 10 cs., Huth Gillespie & Co., Port Morant; **Sweet**, 20 qu. cs., Lloyds Bank, Messina; **Thyme**, 2 bbls., Orbis Products Trdg. Co., Malaga

**OPIMUM**—20 cs., Order, Constantinople

**OSSEINE**—1,250 bgs., Order, Antwerp

**PAPAIN**—6 cs., Amer. Exp. Co., Colombo

**PHOSPHATE**—1,000 bgs., Hollingshurst & Co., Antwerp

**PIASSAVA**—80 bbls., Order, Bahia

**PLUMBAGO**—29 bbls., Order, Colombo

**POTASSIUM SALTS—Alum**, 11 sks., Hans Hinrichs Chem. Corp., Hamburg; **Carbonate**, 9 sks., Meteor Products Co., Antwerp;

**Caustic**, 401 drs., Innes Speid & Co., Hamburg; **Chloride**, 6,952 sks., Soc. Commerciale des Potasses d'Alsace, Antwerp; **Permanganate**, 20 bbls., Order, Liverpool;

**Yellow Prussiate**, 10 sks., Nat. Bank of Commerce, Rotterdam

**PUMICE STONE—Artificial**, 60 cs., J. H. Rhodes Co., Rotterdam

**PYRIDINE**—10 drs., Demattia Chemicals, Antwerp

**QUICKSILVER**—60 flasks, Poillon & Poirier, Vera Cruz

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**ROOT**—8 bls., Peek & Velsor, London; 76 bls., A. Joensson & Co., Antwerp; 11 bls., Kuechler & Co., Trieste; 12 bls., Order, Trieste; **Aconite**, 6 bgs., Order, Barcelona;

**Broom**, 52 hls., H. Trieste & Co., Vera Cruz; **Burdo**, 19 bls., Hopkins & Co., Antwerp; **Canagaria**, 103 bgs., Order, Vera Cruz; **Gentian**, 56 bls., Chapel Freres & Co., Bordeaux; **Jalap**, 3 bgs., H. Trieste & Co., Vera Cruz; **Licorice**, 1,603 bls., G. W. Sheldon & Co., Hamburg; 100 bgs., Order, Catania

**SAFFRON**—1 csc., Bueno & Artiaga, Barcelona; 3 bbls., Gomez & Sloan, Vera Cruz

**SAL AMMONIAC**—59 cs., Globe Shpg. Co., Hamburg

**SALT**—5 bgs., Cohen & Co., Vera Cruz

**SEED**—6 bgs., J. Loewith, Hamburg; 238 bgs., Van Loan & Co., Hamburg; 32 bls., Amer. Exp. Co., Rotterdam; 161 bgs., W. Van Doorn, Rotterdam; 97 bgs., Amer. Exp. Co., London; 14 bgs., W. E. Marshall & Co., London; 33 bgs., F. B. Vandegrift & Co., London; 135 bgs., A. F. Roloson, London; 17 bgs., Order, London; 28 pkgs., R. J. Godwins Sons, London; 26 bgs., C. D. Stone & Co., London; 15 bgs., P. S. Elliott & Co., London; 4 bgs., Maltus & Ware, London; 251 bgs., F. B. Vandegrift & Co., London; 24 bgs., Burton Seed Co., London;

78 bgs., Order, London; 19 bls., A. Joensson Co., Antwerp; 13 bgs., Order, Trieste; **Anise**, 100 bgs., C. R. Standingier, Malaga; 50 bgs., Peek & Velsor, Malaga; 100 bgs., Anderson Hillier, Malaga; 50 bgs., A. Stallman Co., Malaga; 200 bgs., C. E. Armstrong, Malaga; **Cardamom**, 20 cs., Amer. Exp. Co., Colombo; **Castor**, 10,000 bgs., F. Matazarza & Co., Santos; 11,554 bgs., Order, Cocanada;

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**SENNA**—22 bls., Kidder Peabody & Co., Port Sudan; 157 bls., A. Joensson & Co., Port Sudan; **Siftings**, 60 bls., Irving Nat. Bank, Port Sudan

**SHELLAC**—28 cs., F. Henjes, Jr., Rotterdam; 65 bgs., Order, London; **Garnet**, 30 bgs., Kasebier Chatfield Shellac Co., Hamburg

**SILVER—Sulfide**, 4 cs., W. Schall & Co., So. Amer. Ports

**SOAP**—225 cs., Equitable Trust Co., Barcelona; 60 cs., Order, Valencia

**SODIUM SALTS**—12 cs., A. H. Pickering, Genoa; **Chlorate**, 100 cs., Irving Nat. Bank, Genoa; 25 drs., A. H. Pickering, Genoa;

50 cs., Kidder Peabody & Co., Antwerp; **Chloride**, 33 drs., Weisenthal & Co., Hamburg; **Fluoride**, 25 bbls., Superfos Co., Hamburg; **Nitrate**, 125 sks., Globe Shpg. Co., Hamburg; 2,212 bgs., W. R. Grace & Co., Antofagasta; 4,426 bgs., W. R. Grace & Co., Liqueur; **Frussiate**, 86 cs., Order, Rotterdam; 38 sks., Order, London; 24 sks., H. Kohnstamm, Liverpool; 19 sks., H. J. Baker & Bro., Liverpool; 19 sks., Order, Liverpool;

38 sks., Order, London; **Sulfide**, 60 drs., R. W. Greeff & Co., Antwerp; **Sulfhydrate**, 38 drs., C. S. Grant & Co., Hamburg; 25 drs., C. S. Grant & Co., Hamburg

**SPERMACETI**—13 bbls., Equitable Trust Co., Valparaiso

**SPICES—Cassia**, 140 pkgs., W. Tappenbeck, Rotterdam; **Chillies**, 100 bgs., Order, Rotterdam; **Cinnamon**, 300 bls., Order, Colombo;

100 bls., Amer. Exp. Co., Colombo; 100 bls., Bank of Amer., Colombo; **Cloves**, 200 bls., Goshens & Cunliffe, London; **Ginger**, 15 cs., J. P. Smith & Co., London; 1 csc., N. J. Francis, Port au Prince; 659 bgs., Phila. Nat. Bank, Liverpool; **Mace**, 25 cs., Knickerbocker Mills Co., Rotterdam; 23 cs., Archibald & Lewis Co., Rotterdam; 10 pkgs., D. L. Silverman, Genoa; 3 bbls., Colonial Bank, Port Morant; **Mustard**, 331 cs., Meyer & Lange, Rotterdam; **Nutmegs**, 280 bgs., Catz Amer. Co., Grenada; 250 bgs., Royal Bank of Canada, Grenada; **Paprika**, 60 bgs., R. Moellhausen, Valencia; 20 bgs., Mailhard & Schmiedell, Hamburg; **Pepper**, 400 bgs., Order, Aleppo; **Pimento**, 852 cs., Order, Alicante; 100 sks., Banque Belge, Alicante;

50 sks., Judson Freight Fwdg. Co., Alicante; 50 sks., F. L. Kraemer, Alicante;

250 sks., J. Clarke & Co., Alicante; 100 sks., J. Victor & Co., Alicante; 110 sks., Banque Belge, Alicante; 251 cs., G. W. Sheldon & Co., Alicante; 768 bgs., J. E. Kerr & Co., Port Morant; 500 bgs., Colonial Bank, Port Morant; **Thyme**, 23 bls., A. Galdan, Marseilles; 33 bls., Seck & Gaidan, Marseilles

**SPONGES**—30 bls., Alias Sponge Co., Havre; 12 bls., H. G. Arfaras, Bordeaux; 60 bls., Lasker & Bernstein, Havana; 9 bls., J. H. Rhodes & Co., Havana; **Clippings**, 50 bls., Lasker & Bernstein, Havana; **Refuse**, 46 bls., Lasker & Bernstein, Havana

**SUMAC**—700 bgs., Am. Exp. Co., So. Amer. Ports; 1,100 bgs., Central Union Trust Co., So. Amer. Ports; 1,460 bgs., Order, So. Amer. Ports; 1,050 bgs., Order, Palermo

**TALC**—400 bgs., Ital. Disc. & Trust Co., Genoa; 200 bgs., C. B. Chrystal & Co., Genoa; 500 bgs., Bankers Trust Co., Genoa

**TARTAR**—160 bgs., Amer. Exp. Co., Bordeaux; 619 sks., Harshaw Fuller & Goodwin, Alicante; **Cream**, 15 sks., Order, Rotterdam; 40 bgs., Order, Genoa



TEA WASTE—405 bgs., G. W. Sheldon & Co., Rotterdam  
TOMBAC—66 bls., E. Nasr, Alexandria; 10 pkgs., F. C. Luthi & Co., Alexandria

UMBER—74 csks., L. H. Butcher & Co., Hull  
VANILLA BEANS—6 cs., Triest Co., Inc., Vera Cruz; 5 cs., Order, Vera Cruz; 32 cs., Order, Bordeaux

WAX—Bees, 10 bgs., Hummel & Robinson, Rotterdam; 82 bgs., Order, London; 84 bgs., Equitable Trust Co., Valparaiso

### IMPORTS AT SAN FRANCISCO

Imports at San Francisco for the week of December 16 included the following: On the steamer Siberia Maru, from Penang, to M. Newhall & Co. 250 bags pearl tapioca; from Tientsin, to Suzuki & Co. 668 bags hemp seed; from Kobe, to S. L. Jones & Co. 625 bags linseed. On the steamer Arizonan, from Liverpool, to W. C. Todd 40 drums creosote, to the C. J. Hendry Co. 400 bales oakum and to L. H. Butcher & Co. 38 casks oxide of iron; from Hamburg, to the Roessler & Hesslacher Chemical Co. 25 casks oxalic acid, to C. H. Otto & Co. 13 barrels oxalic acid and 69 cases sal ammoniac. On the steamer Cuba, from La Union, to J. B. Havre & Co. 74 bales henequin. On the motorship Annam, from Copenhagen, to Balfour, Guthrie & Co. 160 casks whiting, to the Scandinavian Trading Co. 508 barrels sulphide pulp; from Hamburg, to order 173 barrels barytes, to Meyer Wilson & Co. 3,900 bags mineral salt and 10,320 bags sulfate of potash; from Antwerp, to order 50 barrels zinc oxide. On the steamer Chihuahua, from La Union, to J. B. Havre & Co. 141 bales henequin. On the steamer Chiapas, from Manzanillo, to B. Padilla & Co. 50 cases turpentine.

### EXPOSITION OF INVENTIONS FEB. 17

A Universal Exposition of Inventions and Patents is to be held at Grand Central Palace, New York, Feb. 17 to 22, according to an announcement by A. B. Cole, vice-president of the Universal Patent Exposition Corp., 110 W. 40th st. The first day, Saturday, February 17, will be International Day; Sunday, Marconi or Radio Day; Monday, Steinmetz Day, in honor of Dr. Chas. P. Steinmetz; Tuesday, Edison Day, in honor of Thomas A. Edison; Wednesday, Bell Day, in honor of the late Alexander Graham Bell, and Thursday, Westinghouse Day, in honor of the late George Westinghouse.

A. H. Stanton, assistant manager of the white lead and paint department of the Eagle-Picher Lead Co., will be promoted to general advertising manager for the company with offices in Chicago. The promotion is effective January 1.

John Morris Weiss, until recently director of development of the Barrett Company, and Charles Raymond Downs, formerly chief chemist of the Barrett Company, and more recently engaged in special plant development work at the Buffalo plant of the National Aniline and Chemical Company, have formed a partnership as consulting chemists and chemical engineers under the name of Weiss and Downs. They have taken an office in the Chemists' Building at 50 East 41st st., New York City, and will shortly have laboratory facilities available there.

The examination will be held throughout the United States on February 14 to fill vacancies in the Bureau of Standards, Department of Commerce, Washington, D. C. The entrance salary for laboratory assistant, junior grade, is \$1,000 a year, plus the increase of \$20 a month granted by Congress, and for senior aid is \$900 a year, also plus the increase. Full information and application blanks may be obtained from the United States Civil Service Commission, Washington, D. C., or secretary of the board of U. S. civil service examiners at the post office or customhouse in any city.

### EMPLOYMENT IN THE ACID INDUSTRY

The decrease in the value of acids produced in the United States in 1921 was accompanied by decreases in the number of persons employed, in the total amount paid during the year for salaries and wages, and in the cost of materials used. The comparability of the statistics is affected by the fact that in some cases establishments submitting separate reports for "acid departments" in 1919 included same in reports which will be included in the statistics for the chemical industry in 1921. There was considerable fluctuation in the monthly employment of wage earners in 1921. In January, the month of maximum employment, 3,374 wage earners were reported, and in September, the month of minimum employment, 2,309—the minimum representing 68.4 per cent of the maximum. The average number employed during the year was 2,684 as compared with 4,961 in 1919. A classification with reference to the prevailing hours of labor in the establishments in which employed shows that for 862, or 32.1 per cent of the total (average) number of wage earners, the prevailing hours were 48 per week; for 312, or 11.6 per cent, more than 48 but not exceeding 54 hours; for 1,239, or 46.2 per cent, between 54 and 60 hours, and for 271, or 10.1 per cent, 60 hours or over.

The statistics for 1921 and 1919 are summarized in the following statement. The figures for 1921 are preliminary and subject to such change or correction as may be necessary from a further examination of the original reports.

	1921	1919	Per cent of decrease <sup>1</sup>
Number of establishments.....	35	39	...
Person engaged.....	3,139	5,860	46.4
Salaried employees.....	450	859	40.9
Wage earners (average number).....	2,684	4,961	43.9
Salaries and wages.....	\$5,243,000	\$10,096,000	48.1
Salaries.....	1,317,000	2,179,500	39.6
Wages.....	3,926,000	7,916,500	50.4
Paid for contract work.....	.....	48,000	...
Cost of materials.....	9,714,000	15,857,000	38.7
Value of products.....	20,529,000	31,470,000	24.8
Value added by manufacture <sup>2</sup> .....	10,815,000	15,613,000	30.7

<sup>1</sup>Percentage omitted where base is less than 100.

<sup>2</sup>Value of products less cost of materials.

Charles Willms, 74 years old, founder of the Charles Willms Surgical Instrument Co., Baltimore, died on Dec. 17 from a complication of diseases after an illness of six months, at his home on Woodlawn Road, Roland Park. He was born at Cologne, Germany, and came to this country in 1870, establishing the firm that bore his name. He was also president of the Chloride Dry Cell Battery.

The six-story loft building occupied by the American Aniline Products, Inc., on University Place, between Tenth and Eleventh sts., New York, has been sold by the owners to a client of Brown, Wheelock-Harris, Vought & Co.

The first unit of the carbon black plant of the Producers & Refiners' Corp., Riverton, Wyo., is ready for operation. A second unit will be fired early in January. Each unit will have a capacity of 100 barrels of carbon black daily.

Two buildings of the plant of the Jarecki Chemical Co., at St. Bernard, a suburb of Cincinnati, were destroyed by fire December 17. The loss is estimated at \$150,000.

# Wants & Offers

Rate—All classifications, \$1.00 an issue for 20 words or less, additional words, 5c each, per issue.

Payment—Must accompany order, add 10c if replies are to be forwarded.

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**FOR LEASE OR SALE**—Chemical factory in New Jersey, situated 20 miles from New York; in city of 50,000. Twelve buildings in excellent condition, aggregating 26,000 square feet of ground floor space on one and one quarter acres of property with railroad siding. Ample supply of male and female labor at favorable rates. Will lease part of property if desired. Inquire of R. S. Bicknell, 140 Nassau St. Telephone, Beekman 9544.

**WANTED energetic Agents for the sale of Bronze Powder Colors and Aluminum Powder Colors.** Thoroughly acquainted with the business and well introduced with the customers. Address Box 275, DRUG & CHEMICAL MARKETS.

**FACTORY FOR SALE:** Two acres of ground, four buildings, Artesian well, located eight miles from Jersey City. Railroad siding up to property line. Price \$4,000.00. Very easy terms. Box 271, DRUG & CHEMICAL MARKETS.

**TO MANUFACTURERS OF HEAVY CHEMICALS:** An established firm with good clients and good references requires representations for Argentine, Brazil & Uruguay. Caustic soda, soda ash, rosin, turpentine, etc., etc. Apply to Marsden & Co., Florida 470. Buenos Aires.

**FOR RENT**—Fine, light office, over 400 square feet, modern office building, downtown; \$1,000 per year. Charles B. Chrystal Co., Inc., 11 Cliff St., New York City.

## HELP WANTED

**WANTED** exceptionally well trained young chemist, with good school record, to take charge of laboratory in moderate size manufacturing plant in Buffalo, N. Y. Work is of an organic nature with control standards employing physical and colloidal chemistry. Must be energetic, serious-minded and highly systematic. Working conditions are pleasant and a good future is offered. Reply to 276, DRUG & CHEMICAL MARKETS, stating salary expected, age, height, weight, previous experience, degree, school obtained, references. All correspondence treated confidential.

**WANTED**—Registered drug men who are desirous of making connections with a growing chain of stores who have some exceptional opportunities. Box 265, DRUG & CHEMICAL MARKETS.

**WANTED**—CHEMIST OR OPERATOR EXPERIENCED IN THE MANUFACTURE OF PHOSPHORUS TRICHLORIDE AND OXY-CHLORIDE. In answering please write fully your experience and state salary desired. Here is a good opportunity for right party. A. B. 283, DRUG & CHEMICAL MARKETS.

**SALESMAN**, for southern textile and fertilizer trade, heavy and fine chemicals, fertilizer materials. Rare opportunity for advancement. New southern firm. Box 267, DRUG & CHEMICAL MARKETS.

## HELP WANTED

**SALESMAN** traveling, who knows the essential oil, baker supply, and bottling trade. Must know these lines thoroughly. Answer stating age, experience, and other particulars. Box 270, DRUG & CHEMICAL MARKETS.

## SITUATIONS WANTED

**CHEMIST**, with research, plant, and analytical experience open for engagement in any of above capacities. Box 277, DRUG & CHEMICAL MARKETS.

**ORGANIC CHEMIST**, with wide experience along pharmaceutical and biological products, cosmetic preparations, fine organic chemicals, as operator and research chemist, desires a position of responsibility. Box 263, DRUG & CHEMICAL MARKETS.

**FLAVORING EXTRACT CHEMIST**, with extensive experience along Soda Water, Bakery, Household extracts, emulsions, and allied products, seeks connection with progressive firm. Box 264, DRUG & CHEMICAL MARKETS.

**SITUATION** wanted by progressive and thoroughly trained wholesale drug man 38 years of age willing to go anywhere. Box 273, DRUG & CHEMICAL MARKETS.

**CHEMICAL ENGINEER**, 10 years American & European experience; executive with knowledge of business methods, explosives, heavy chemicals, dye intermediates. Address Box 281, DRUG & CHEMICAL MARKETS.



Manufacturers of

Soda Ash 58%

Caustic Soda 76-78%

Modified Soda

Bicarbonate of Soda, U.S.P.

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**OUR** complete plants at Painesville, Ohio are directly served by three trunk line railroads. We are excellently situated to serve you to advantage.

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PITTSBURGH,

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# Wants and Offers—The Marketplace of the - - Drug and Chemical Industries

## SITUATIONS WANTED

POSITION wanted by an experienced whole-sale drug man—13 years experience. Box 266, DRUG & CHEMICAL MARKETS.

## DRUGS AND CHEMICALS

FOR SALE: 250 liters of imported Neon Gas, U. S. Custom Sealed, in steel cylinder, for \$5.00 per liter. No charge for cylinder. Contains 75% Neon, 24% Helion, 1% Foreign Gas. Box 268, DRUG & CHEMICAL MARKETS.

WANTED: odd and surplus lots of chemicals, dyes, drugs, intermediates, oils, gums, etc. Dye Drug and Chemical Co., 105 John St., N. Y. City, Beekman 7563.

OFFER: tank car lots Mixed Acid—79% Sulfuric, 24% Nitric. Cars only. Box 280, DRUG & CHEMICAL MARKETS.

FOR SALE—In quantity lots attractive prices Silver Proteinate and Protargentum. Squibb make, in 1 oz. bottles; also Paraformaldehyde billets Schieffelin make 100—1-10 gr. to the bottle. Box 262, DRUG & CHEMICAL MARKETS.

LUBRICANTS. CASTORBLEND OILS. Pure Vegetable Castor Oil blended with high grade petroleum lubricants combines their advantageous qualities. For sale by Castor Oil Products Co., P. O. Box 758, Houston, Texas.

FOR SALE: Methyl Violet Base, 1,000 lbs.—75c per lb. Spirit Nigrosene, Blue Shade, 1,400 lbs., 35c per lb., both in stock, New York. Box No. 282, DRUG & CHEMICAL MARKETS.

## DRUGS AND CHEMICALS

WANTED—Iron or steel borings. Franken, Chatham, New Jersey.

SUBSCRIBER OFFERS for sale 1,000 lbs. Hexamethylene U.S.P. in kegs of 100 lbs. Submit bids. Box 261 DRUG & CHEMICAL MARKETS.

FOR SALE: American Medicinal Roots, Herbs, Barks, Seeds, Flowers, Witch Hazel leaves, Ginseng, etc. Inquiries solicited. Joseph Powell Co., Bristol, Tenn.

OFFER quantity of Zinc Yellow, approximately 5,000 pounds. Submit offer to Box 274, DRUG & CHEMICAL MARKETS.

OFFER great quantities Spike Oil, Rosemary Oil, Uva-Ursi Leaves, Aniseed and other Spanish articles. Escribano Sons Company, Murcia, Spain.

FOR SALE: Calcium Sulphite ( $\text{CaSO}_3$ ) in barrels, prime, 10c lb., Calcium Borate, barrels, 10c lb. Parex Mfg. Co., 30 Church St., N. Y. C.

WANTED—by manufacturer large quantities of Phthalic Anhydride for immediate and future delivery. Box 259, DRUG & CHEMICAL MARKETS.

## PLANT EQUIPMENT

WANT: No. 1 Meade Mill or similar type. State condition and price. Box No. 278, DRUG & CHEMICAL MARKETS.

## PLANT EQUIPMENT

FOR SALE: 1—12 in. Ross Disintegrator Jacketed Pebble mills, 2 Phase motors and laboratory apparatus. Box No. 279, DRUG & CHEMICAL MARKETS.

WANTED, enameled pot 100-125 gallons with or without jacket; also several iron drums with removable head. Franken, Chatham, New Jersey.

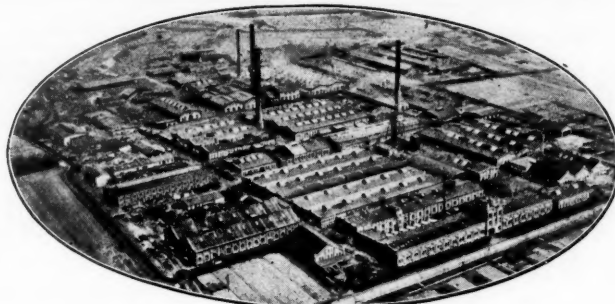
WANTED: an Emulsifier, about 25 gallon capacity. State full particulars and price, also maker's name. A. A. P. Corp., 57 New Chambers St., N. Y. City.

WANTED: Single effect Vacuum or Evaporation Pan approximately 11 ft. 6 in. dia. by 8 ft. 6 in. on straight side, with conical bottom. Send full description, also cuts or blue prints and price. Answer 2 Cyril Terrace, Akron, Ohio.

5,000 galvanized iron drums 16x21 and 19x32 —6 inch top openings. \$15 per 100 f.o.b. car. Young, 3707 Ft. Hamilton Parkway, Brooklyn.

## MISCELLANEOUS

ASK THE Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.



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View taken from  
an airplane  
in 1921



**AUCTION OF CASTOREUM IN LONDON**

London, Dec. 16 (By Mail)—At the Hudson's Bay Co.'s auction sale of castoreum last week 3,326 lbs were offered by the company's brokers and, as anticipated in last week's report might be the case, a large proportion of the lots remained unsold. The result of the auction must have proved very unsatisfactory to the company, as all records of the last fifty years have been broken by the low prices realized. About fifteen years ago as much as 220s was paid for Pile No. 1 and today might have been obtained at 30s per lb, but was withdrawn; second Pile was also taken out for the most part at 17s 6d and thirds sold at from 10s per lb. Pickings 7s to 8s per lb and cuttings 4s per lb.

The usual consignment of what may be termed "Oregon" quality likewise came under the hammer at another auction and suffered a similar heavy fall in price, practically no bid over 10s per lb. having been made,

and that for first and second pile mixed and several lots of second pile; while pickings realized only 4s to 4s 3d per lb.

In previous and earlier years the orders received in London always exceeded the quantities available, and it would almost appear that this animal product is fast becoming obsolete as a medicinal remedy and losing ground also for perfumery purposes. It would be as well, therefore, to make known to any who may be tempted to consign this hitherto valuable product to this market for sale to abstain from doing so, as the results would only be disappointing.

The Paraffine Companies, Inc., San Francisco, has purchased a tract of forty acres adjoining their factory in the suburb of Emeryville, and will erect large additions.

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**The Chatfield Manufacturing Co.**

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PERMANGANATE OF POTASH  
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TRUTH VALUE

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**CONTACT PROCESS CO.**

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**Flake and Ball Naphthalene**  
*Contracts*  
**Caustic Potash 88-92%**

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450 CHESTNUT ST. PHILADELPHIA

## Buyers' Guide

For full particulars as to products and addresses see Index of Advertisers on the page following.

### HEAVY CHEMICALS

J. T. Baker Chemical Co.	Industrial Chemical Co.
Battelle & Renwick	Innis Speiden & Co.
Bowker Chemical Co.	McKechnie Bros.
Church & Dwight	Merchants Chemical Co.
The Cleveland-Cliffs Iron Co.	Meteor Products Co.
Commercial Solvents Corp.	Mathieson Alkali Works
Contact Process Co.	The Miner-Edgar Co.
Chas. Cooper & Co.	Monsanto Chemical Works
Darco Sales Corp.	Nichols Copper Co.
Diamond Alkali Co.	Pfaltz & Bauer
The Dow Chemical Co.	The Selden Co.
E. I. du Pont de Nemours & Co.	Roessler & Hasslacher Chem.
Ellis Jackson & Co.	Semet Solvay Co.
B. G. Feinberg	F. M. Sergeant Co.
Alex C. Fergusson, Jr.	Solvay Process Co.
General Chemical Co.	Stein Hall & Co.
Grasselli Chemical Co.	Superfos Company
W. F. George Chemicals, Inc.	U. S. Industrial Alcohol Co.
Wm. S. Gray & Co.	Victor Chemical Works
R. W. Greeff & Co.	The Warner Chemical Co.
Edward Hill's Son & Co.	Wilckes-Martin-Wilckes Co.
	Jacques Wolf & Co.

### FINE CHEMICALS

Abbott Laboratories	Industrial Chemical Co.
Baird & McGuire	Jose Lopez
J. T. Baker Chemical Co.	Magnus, Mabée & Reynard, Inc.
Bowker Chemical Co.	Mallinckrodt Chemical Works
Carbide & Carbon Chem. Corp.	May & Baker
Chicago Starch Co.	Merek & Co.
Antoine Chiris Co.	Meteor Products Co.
Commercial Solvents Corp.	H. A. Metz & Co.
Commonwealth Chemical Corp.	The Miner-Edgar Co.
Charles Cooper & Co.	Monsanto Chemical Works
Darco Sales Corp.	Perth Amboy Chem. Wks.
J. E. Dockendorff & Co.	Pfaltz & Bauer
The Dow Chemical Co.	Powers-Weightman-Rosengarten
Eastman Kodak Co.	Roessler & Hasslacher Chem. Co.
Electro Bleaching Gas Co.	Rhodia Chem. Co.
B. G. Feinberg	Chas. V. Sparhawk
E. Fougere & Co.	Stein Hall & Co.
Grasselli Chemical Co.	Superfos Company
Guasti-Finch Chem. Co.	Ungerer & Co.
William S. Gray & Co.	U. S. Industrial Chemical Co.
R. W. Greeff & Co.	Victor Chemical Works
Albert H. Higbie	Wilckes-Martin-Wilckes Co.
Hoffman-La Roche Chem. Wks.	

### DYESTUFFS

Calco Chemical Co.	H. A. Metz & Co.
Dow Chemical Co.	National Aniline & Chemical Co.
Dye Products & Chem. Co.	
Essex Aniline Works	New Brunswick Chem. Co.
E. I. du Pont de Nemours & Co.	Newport Chemical Works
Ellis Jackson & Co.	Southern Dyestuffs Co.
Gary Chem. Co.	Stein Hall & Co.
Grasselli Chemical Co.	Jacques Wolf & Co.
Heller & Merz Co.	

### COAL TAR PRODUCTS

Abbott Laboratories	Jordan Coal Tar Products Co.
Baird & McGuire	H. A. Metz & Company
The Barrett Co.	Monsanto Chemical Works
Calco Chemical Co.	National Aniline & Chemical Co.
Chatfield Mfg. Co.	
Commonwealth Chemical Corp.	Newport Chemical Works
Essex Aniline Works	Protexol Corp.
E. I. du Pont de Nemours & Co.	Southern Dyestuffs Co.
Heller & Merz Co.	

### FATTY OILS

Antoine Chiris Co.	Jacques Wolf & Co.
New Brunswick Chem. Co.	

### ESSENTIAL OILS

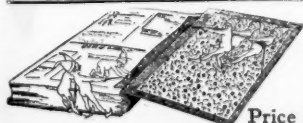
M. L. Barrett & Co.	Fritzsch Bros.
W. J. Bush & Co.	Magnus, Mabée & Reynard, Inc.
Antoine Chiris Co.	Morana, Incorporated
Delphi Products, Inc.	Pfaltz & Bauer, Inc.
J. E. Dockendorff & Co.	Chas. V. Sparhawk
	Ungerer & Co.

### CRUDE DRUGS

Amecousema Am. Trad'g House	Hoffman-La Roche Chem. Wks.
M. L. Barrett & Co.	Jose Lopez
W. J. Bush & Co.	Magnus, Mabée & Reynard, Inc.
E. Fougere & Co.	Morana, Incorporated
	Pfaltz & Bauer

### EQUIPMENT

Buffalo Foundry & Machine Co.	Nashville Industrial Corp.
The Chemical Age	La Revue des Produits Chimiques
Chemical Trade Journal	The Yakugyo Shuho



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**Para Toluidine**  
**Sodium Naphthionate**  
**N W Acid**  
**R Salt**  
**Cleves Acid**  
**Para Nitro Toluol**  
**Tolidine Base**  
**Meta Phenylene Diamine**  
**Meta Toluylene Diamine**



**Newport Chemical Works, Inc.**  
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Free from Chlorine, Bromine, Min-  
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**Five Pound Bottles-Four to a Case  
One Pound Bottles-Twelve to a Case**



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<b>BALTIMORE,</b> South Baltimore	<b>DETROIT,</b> Union Trust Bldg.
<b>BOSTON,</b> 943 Cambridge St.	<b>NEW ORLEANS,</b> 1008 Maison Blanche Bldg.
<b>CHICAGO,</b> First Nat'l Bank Bldg.	<b>NEW YORK,</b> 27 William St.

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#### Branch Sales Offices and Distributing Warehouses

<b>NEW YORK</b>	James A. Webb & Son, Inc., 27 William Street
<b>BALTIMORE</b>	A. L. Webb & Sons, Inc., Maryland Trust Building
<b>PHILADELPHIA</b>	Pennsylvania Alcohol & Chemical Co., 141 North Front Street
<b>BOSTON</b>	U. S. Industrial Alcohol Co., 943 Cambridge St., E. Cambridge, Mass.
<b>CHICAGO</b>	U. S. Industrial Alcohol Co., First National Bank Building
<b>ST. LOUIS</b>	U. S. Industrial Alcohol Sales Co., 1434 North Broadway
<b>KANSAS CITY</b>	U. S. Industrial Alcohol Sales 1409 West 10th Street
<b>NEW ORLEANS</b>	U. S. Industrial Alcohol Co., Maison Blanche Building
<b>PITTSBURGH</b>	U. S. Industrial Alcohol Co., Empire Building
<b>CLEVELAND</b>	U. S. Industrial Alcohol Kirby Building
<b>DETROIT</b>	U. S. Industrial Alcohol Co., Union Trust Building
<b>CINCINNATI</b>	U. S. Industrial Alcohol Co., 621 Evans Street
<b>PEORIA</b>	U. S. Industrial Alcohol Co.
<b>ST. PAUL</b>	U. S. Industrial Alcohol Co., 739 Pillsbury Avenue

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